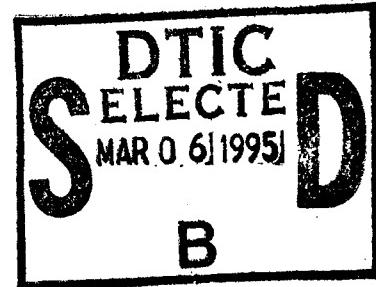


# DEPARTMENT OF THE AIR FORCE



## FY 1996 BIENNIAL BUDGET ESTIMATES

---

### Military Construction and Family Housing

---

19950227 080

*Justification Data*  
Submitted to Congress  
February 1995

DISTRIBUTION STATEMENT A  
Approved for public release  
Distribution Unrestricted

DTIC QUALITY INSPECTED 4

INSIDE THE UNITED STATES  
OUTSIDE THE UNITED STATES  
VARIOUS WORLDWIDE FAMILY HOUSING

**TABLE OF CONTENTS  
FY 1996 PRESIDENT'S BUDGET**

<u>General</u>	<b>PAGE NUMBER</b>
<b>Table of Contents.....</b>	<b>1</b>
<b>Program Summary .....</b>	<b>2</b>
<b>State List (List of Projects).....</b>	<b>3</b>
<b>New Mission/Current Mission Exhibit .....</b>	<b>16</b>
 <b><u>Military Construction</u></b>	
<b>    Installation Index.....</b>	<b>30</b>
<b>    Special Program Considerations</b>	
<b>Statements .....</b>	<b>32</b>
<b>Congressional Reporting Requirements.....</b>	<b>33</b>
<b>Third Party Financing .....</b>	<b>34</b>
<b>    Non-MILCON Construction</b>	
<b>Research and Development .....</b>	<b>35</b>
<b>    Budget Data:</b>	
<b>Appropriations Language .....</b>	<b>36</b>
<b>Program and Financing Schedule.....</b>	<b>36A</b>
<b>Object Classification Schedule.....</b>	<b>36S</b>
<b>    Projects Inside the United States .....</b>	<b>37</b>
<b>    Projects Outside the United States .....</b>	<b>344</b>
<b>Planning and Design.....</b>	<b>395</b>
<b>Unspecified Minor Construction.....</b>	<b>393</b>
<b>\$One Million and Under .....</b>	<b>397</b>
<b>    Family Housing.....</b>	

Dist	For	
A-1	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<i>See Letter</i>	
	<i>on</i>	
	ty Codes	
	and/or	
	special	

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM  
FISCAL YEAR 1996**

	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP</u>
<b>MILITARY CONSTRUCTION</b>	(Sec 2301)	(Sec 2304)	
Inside the United States	406,390	406,390	406,390
Brooks ADAL Communications Facility <sup>(1)</sup>	233	233	0
Kelly Communications Facility <sup>(1)</sup>	353	353	0
Langley Alter ACC Headquarters Facility <sup>(1)</sup>	263	263	0
Travis Hazardous Waste Storage Facility <sup>(1)</sup>	600	600	0
Outside the United States	49,400	49,400	49,400
Planning and Design	10 USC 2807	30,835	30,835
Unspecified Minor Construction	10 USC 2805	9,030	9,030
<b>TOTAL MILITARY CONSTRUCTION</b>	<b>497,104</b>	<b>497,104</b>	<b>495,655</b>
<b>MILITARY FAMILY HOUSING</b>	(Sec 2302/2303)	(Sec 2304)	
New Construction	154,900	154,900	154,900
Improvements	85,100	85,100	85,100
Planning and Design	9,000	9,000	9,000
Subtotal	249,000	249,000	249,000
Operations, Utilities, and Maintenance	733,500	733,500	733,500
Leasing	115,700	115,700	115,700
Debt Payment <sup>(2)</sup>			
Subtotal	849,200	849,200	849,200
<b>TOTAL MILITARY FAMILY HOUSING</b>	<b>1,098,200</b>	<b>1,098,200</b>	<b>1,098,200</b>
<b>GRAND TOTAL AIR FORCE</b>	<b>1,595,304</b>	<b>1,595,304</b>	<b>1,593,855</b>

(1) Project authorization and authorization for appropriation in the amount of \$1.449M is requested in FY 1996 for the following four projects: Brooks AFB ADAL Communications Facility; Kelly AFB Communications Facility; Langley AFB Alter ACC Headquarters Facility; and Travis AFB Hazardous Waste Storage Facility. Appropriation is not requested in FY 1996.

(2) Debt Payment cost of \$29,000 excluded due to rounding.

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>PROJECT AUTH</b>	<b>AUTH FOR APPROP</b>	<b>APPROP AMOUNT</b>	<b>PAGE</b>
<b>ALABAMA</b> <b>MAXWELL AFB</b>					
	<b>CHILD DEVELOPMENT CENTER COMPLEX</b>	<b>3,700</b>	<b>3,700</b>	<b>3,700</b>	<b>38</b>
	<b><u>MAXWELL AFB TOTAL:</u></b>	<b><u>3,700</u></b>	<b><u>3,700</u></b>	<b><u>3,700</u></b>	
	<b><u>ALABAMA TOTAL:</u></b>	<b><u>3,700</u></b>	<b><u>3,700</u></b>	<b><u>3,700</u></b>	
<b>ALASKA</b> <b>EIELSON AFB</b>					
	<b>ALTER DORMITORY</b>	<b>3,850</b>	<b>3,850</b>	<b>3,850</b>	<b>42</b>
	<b><u>EIELSON AFB TOTAL:</u></b>	<b><u>3,850</u></b>	<b><u>3,850</u></b>	<b><u>3,850</u></b>	
<b>ELMENDORF AFB</b>					
	<b>REPAIR AIRFIELD TAXIWAY</b>	<b>900</b>	<b>900</b>	<b>900</b>	<b>398</b>
	<b>MILSTAR COMMUNICATIONS GROUND TERMINAL</b>	<b>850</b>	<b>850</b>	<b>850</b>	<b>400</b>
	<b>VISITING OFFICERS QUARTERS</b>	<b>7,350</b>	<b>7,350</b>	<b>7,350</b>	<b>46</b>
	<b><u>ELMENDORF AFB TOTAL:</u></b>	<b><u>9,100</u></b>	<b><u>9,100</u></b>	<b><u>9,100</u></b>	
<b>TIN CITY LRRS</b>					
	<b>ABOVEGROUND FUEL STORAGE TANKS</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>50</b>
	<b><u>TIN CITY LRRS TOTAL:</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	
	<b><u>ALASKA TOTAL:</u></b>	<b><u>15,450</u></b>	<b><u>15,450</u></b>	<b><u>15,450</u></b>	
<b>ARIZONA</b> <b>DAVIS-MONTHAN AFB</b>					
	<b>ALTER AIRCRAFT CORROSION CONTROL FACILITY</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>402</b>
	<b>DORMITORY</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>54</b>
	<b><u>DAVIS-MONTHAN AFB TOTAL:</u></b>	<b><u>4,800</u></b>	<b><u>4,800</u></b>	<b><u>4,800</u></b>	
<b>LUKE AFB</b>					
	<b>DORMITORY</b>	<b>5,200</b>	<b>5,200</b>	<b>5,200</b>	<b>58</b>
	<b><u>LUKE AFB TOTAL:</u></b>	<b><u>5,200</u></b>	<b><u>5,200</u></b>	<b><u>5,200</u></b>	
	<b><u>ARIZONA TOTAL:</u></b>	<b><u>10,000</u></b>	<b><u>10,000</u></b>	<b><u>10,000</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
<b>ARKANSAS</b>					
<b>LITTLE ROCK AFB</b>					
	UPGRADE SANITARY SEWER SYSTEM	2,500	2,500	2,500	62
	<b><u>LITTLE ROCK AFB TOTAL:</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	
	<b><u>ARKANSAS TOTAL:</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	
<b>CALIFORNIA</b>					
<b>BEALE AFB</b>					
	LANDFILL CLOSURE	7,500	7,500	7,500	66
	<b><u>BEALE AFB TOTAL:</u></b>	<b><u>7,500</u></b>	<b><u>7,500</u></b>	<b><u>7,500</u></b>	
<b>EDWARDS AFB</b>					
	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	12,100	12,100	12,100	70
	ADD TO AND ALTER ANECHOIC CHAMBER	11,100	11,100	11,100	73
	DORMITORY	10,600	10,600	10,600	76
	<b><u>EDWARDS AFB TOTAL:</u></b>	<b><u>33,800</u></b>	<b><u>33,800</u></b>	<b><u>33,800</u></b>	
<b>TRAVIS AFB</b>					
	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	7,400	7,400	7,400	80
	KC-10 ADD TO FLIGHT SIMULATOR FACILITY	2,400	2,400	2,400	83
	HAZARDOUS WASTE STORAGE FACILITY	600	600	0	404
	DORMITORY	6,400	6,400	6,400	86
	DORMITORIES	10,500	10,500	10,500	89
	<b><u>TRAVIS AFB TOTAL:</u></b>	<b><u>27,300</u></b>	<b><u>27,300</u></b>	<b><u>26,700</u></b>	
<b>VANDENBERG AFB</b>					
	FIRE STATION	2,000	2,000	2,000	93
	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	4,000	4,000	4,000	96
	<b><u>VANDENBERG AFB TOTAL:</u></b>	<b><u>6,000</u></b>	<b><u>6,000</u></b>	<b><u>6,000</u></b>	
	<b><u>CALIFORNIA TOTAL:</u></b>	<b><u>74,600</u></b>	<b><u>74,600</u></b>	<b><u>74,000</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
<b>CLASSIFIED CLASSIFIED LOCATION</b>					
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	700	700	700	406
	<b><u>CLASSIFIED LOCATION TOTAL:</u></b>	<b><u>700</u></b>	<b><u>700</u></b>	<b><u>700</u></b>	
	<b><u>CLASSIFIED TOTAL:</u></b>	<b><u>700</u></b>	<b><u>700</u></b>	<b><u>700</u></b>	
<b>COLORADO BUCKLEY ANGB</b>					
	TROOP SUPPORT FACILITIES	5,500	5,500	5,500	101
	<b><u>BUCKLEY ANGB TOTAL:</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	
<b>PETERSON AFB</b>					
	FIRE STATION	1,390	1,390	1,390	105
	ADD TO AND ALTER DORMITORY	3,000	3,000	3,000	108
	<b><u>PETERSON AFB TOTAL:</u></b>	<b><u>4,390</u></b>	<b><u>4,390</u></b>	<b><u>4,390</u></b>	
<b>USAF ACADEMY</b>					
	SAILPLANE HANGAR	3,724	3,724	3,724	112
	CHILD DEVELOPMENT CENTER	4,200	4,200	4,200	115
	UPGRADE FACILITIES HEATING SYSTEM	4,950	4,950	4,950	118
	<b><u>USAF ACADEMY TOTAL:</u></b>	<b><u>12,874</u></b>	<b><u>12,874</u></b>	<b><u>12,874</u></b>	
	<b><u>COLORADO TOTAL:</u></b>	<b><u>22,764</u></b>	<b><u>22,764</u></b>	<b><u>22,764</u></b>	
<b>DELAWARE DOVER AFB</b>					
	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,500	5,500	5,500	122
	<b><u>DOVER AFB TOTAL:</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	
	<b><u>DELAWARE TOTAL:</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	<b><u>5,500</u></b>	
<b>DISTRICT OF COLUMBIA BOLLING AFB</b>					
	ALTER DORMITORY	6,500	6,500	6,500	126
	HONOR GUARD DORMITORY	5,600	5,600	5,600	129

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
	<b><u>BOLLING AFB TOTAL:</u></b>	<b><u>12,100</u></b>	<b><u>12,100</u></b>	<b><u>12,100</u></b>	
	<b><u>DISTRICT OF COLUMBIA TOTAL:</u></b>	<b><u>12,100</u></b>	<b><u>12,100</u></b>	<b><u>12,100</u></b>	
<b>FLORIDA</b>					
CAPE CANAVERAL AFS					
	FIRE TRAINING FACILITY	1,600	1,600	1,600	133
	<b><u>CAPE CANAVERAL AFS TOTAL:</u></b>	<b><u>1,600</u></b>	<b><u>1,600</u></b>	<b><u>1,600</u></b>	
EGLIN AFB					
	REPAIR RUNWAY	6,200	6,200	6,200	137
	<b><u>EGLIN AFB TOTAL:</u></b>	<b><u>6,200</u></b>	<b><u>6,200</u></b>	<b><u>6,200</u></b>	
TYNDALL AFB					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	141
	<b><u>TYNDALL AFB TOTAL:</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	
	<b><u>FLORIDA TOTAL:</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	
<b>GEORGIA</b>					
MOODY AFB					
	C-130 AERIAL DELIVERY FACILITY	4,600	4,600	4,600	145
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	3,200	3,200	148
	CONTROL TOWER	2,700	2,700	2,700	151
	C-130 AIRCRAFT WASHRACK FACILITY	1,700	1,700	1,700	154
	UPGRADE STORM DRAINAGE SYSTEM	690	690	690	407
	<b><u>MOODY AFB TOTAL:</u></b>	<b><u>12,890</u></b>	<b><u>12,890</u></b>	<b><u>12,890</u></b>	
ROBINS AFB					
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	6,900	6,900	159
	<b><u>ROBINS AFB TOTAL:</u></b>	<b><u>6,900</u></b>	<b><u>6,900</u></b>	<b><u>6,900</u></b>	
	<b><u>GEORGIA TOTAL:</u></b>	<b><u>19,790</u></b>	<b><u>19,790</u></b>	<b><u>19,790</u></b>	
<b>HAWAII</b>					
HICKAM AFB					
	REPAIR AIRFIELD PAVEMENTS	4,550	4,550	4,550	163

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
	ALTER DORMITORY	3,100	3,100	3,100	166
	ALTER TRANSIENT DORMITORY	3,050	3,050	3,050	169
	<b><u>HICKAM AFB TOTAL:</u></b>	<b><u>10,700</u></b>	<b><u>10,700</u></b>	<b><u>10,700</u></b>	
	<b><u>HAWAII TOTAL:</u></b>	<b><u>10,700</u></b>	<b><u>10,700</u></b>	<b><u>10,700</u></b>	
<b>IDAHO</b>					
<b>MOUNTAIN HOME AFB</b>					
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	8,000	8,000	173
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,850	9,850	9,850	176
	UPGRADE STORM DRAINAGE SYSTEM	800	800	800	409
	<b><u>MOUNTAIN HOME AFB TOTAL:</u></b>	<b><u>18,650</u></b>	<b><u>18,650</u></b>	<b><u>18,650</u></b>	
	<b><u>IDAHO TOTAL:</u></b>	<b><u>18,650</u></b>	<b><u>18,650</u></b>	<b><u>18,650</u></b>	
<b>ILLINOIS</b>					
<b>SCOTT AFB</b>					
	DORMITORY	8,000	8,000	8,000	180
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	4,700	4,700	183
	<b><u>SCOTT AFB TOTAL:</u></b>	<b><u>12,700</u></b>	<b><u>12,700</u></b>	<b><u>12,700</u></b>	
	<b><u>ILLINOIS TOTAL:</u></b>	<b><u>12,700</u></b>	<b><u>12,700</u></b>	<b><u>12,700</u></b>	
<b>KANSAS</b>					
<b>MCCONNELL AFB</b>					
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,100	6,100	6,100	187
	ALTER DORMITORY	2,200	2,200	2,200	190
	DEICING PAD	1,150	1,150	1,150	193
	<b><u>MCCONNELL AFB TOTAL:</u></b>	<b><u>9,450</u></b>	<b><u>9,450</u></b>	<b><u>9,450</u></b>	
	<b><u>KANSAS TOTAL:</u></b>	<b><u>9,450</u></b>	<b><u>9,450</u></b>	<b><u>9,450</u></b>	
<b>LOUISIANA</b>					
<b>BARKSDALE AFB</b>					
	B-52 TRAINING COMPLEX	2,500	2,500	2,500	197

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>PROJECT AUTH</b>	<b>AUTH FOR APPROP</b>	<b>APPROP AMOUNT</b>	<b>PAGE</b>
	<b><u>BARKSDALE AFB TOTAL:</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	
	<b><u>LOUISIANA TOTAL:</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	<b><u>2,500</u></b>	
<b>MARYLAND</b> ANDREWS AFB					
	UNDERGROUND FUEL STORAGE TANKS	6,886	6,886	6,886	201
	DORMITORY	6,000	6,000	6,000	204
	<b><u>ANDREWS AFB TOTAL:</u></b>	<b><u>12,886</u></b>	<b><u>12,886</u></b>	<b><u>12,886</u></b>	
	<b><u>MARYLAND TOTAL:</u></b>	<b><u>12,886</u></b>	<b><u>12,886</u></b>	<b><u>12,886</u></b>	
<b>MISSISSIPPI</b> COLUMBUS AFB					
	FIRE TRAINING FACILITY	1,150	1,150	1,150	207
	<b><u>COLUMBUS AFB TOTAL:</u></b>	<b><u>1,150</u></b>	<b><u>1,150</u></b>	<b><u>1,150</u></b>	
KEESLER AFB					
	UPGRADE STUDENT DORMITORY	6,500	6,500	6,500	211
	<b><u>KEESLER AFB TOTAL:</u></b>	<b><u>6,500</u></b>	<b><u>6,500</u></b>	<b><u>6,500</u></b>	
	<b><u>MISSISSIPPI TOTAL:</u></b>	<b><u>7,650</u></b>	<b><u>7,650</u></b>	<b><u>7,650</u></b>	
<b>MISSOURI</b> WHITEMAN AFB					
	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	1,500	1,500	1,500	215
	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	4,100	4,100	4,100	217
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,500	15,500	15,500	220
	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	3,500	3,500	3,500	223
	<b><u>WHITEMAN AFB TOTAL:</u></b>	<b><u>24,600</u></b>	<b><u>24,600</u></b>	<b><u>24,600</u></b>	
	<b><u>MISSOURI TOTAL:</u></b>	<b><u>24,600</u></b>	<b><u>24,600</u></b>	<b><u>24,600</u></b>	
<b>NEVADA</b> NELLIS AFB					
	VISITING QUARTERS	9,900	9,900	9,900	227

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>PROJECT <u>AUTH</u></b>	<b>AUTH <u>FOR APPROP</u></b>	<b>APPROP <u>AMOUNT</u></b>	<b>PAGE</b>
	UPGRADE STORM DRAINAGE SYSTEM	600	600	600	411
	<b><u>NELLIS AFB TOTAL:</u></b>	<b><u>10,500</u></b>	<b><u>10,500</u></b>	<b><u>10,500</u></b>	
	<b><u>NEVADA TOTAL:</u></b>	<b><u>10,500</u></b>	<b><u>10,500</u></b>	<b><u>10,500</u></b>	
<b>NEW JERSEY</b> <b>MC GUIRE AFB</b>					
	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	7,600	7,600	7,600	231
	FIRE TRAINING FACILITY	1,600	1,600	1,600	234
	<b><u>MC GUIRE AFB TOTAL:</u></b>	<b><u>9,200</u></b>	<b><u>9,200</u></b>	<b><u>9,200</u></b>	
	<b><u>NEW JERSEY TOTAL:</u></b>	<b><u>9,200</u></b>	<b><u>9,200</u></b>	<b><u>9,200</u></b>	
<b>NEW MEXICO</b> <b>CANNON AFB</b>					
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,800	9,800	9,800	238
	UPGRADE STORM DRAINAGE SYSTEM	620	620	620	413
	<b><u>CANNON AFB TOTAL:</u></b>	<b><u>10,420</u></b>	<b><u>10,420</u></b>	<b><u>10,420</u></b>	
<b>KIRTLAND AFB</b>					
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	7,656	7,656	7,656	242
	UPGRADE STORM DRAINAGE SYSTEM	1,500	1,500	1,500	245
	<b><u>KIRTLAND AFB TOTAL:</u></b>	<b><u>9,156</u></b>	<b><u>9,156</u></b>	<b><u>9,156</u></b>	
	<b><u>NEW MEXICO TOTAL:</u></b>	<b><u>19,576</u></b>	<b><u>19,576</u></b>	<b><u>19,576</u></b>	
<b>NORTH CAROLINA</b> <b>POPE AFB</b>					
	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	6,100	6,100	6,100	249
	UNDERGROUND FUEL STORAGE TANKS	2,150	2,150	2,150	252
	<b><u>POPE AFB TOTAL:</u></b>	<b><u>8,250</u></b>	<b><u>8,250</u></b>	<b><u>8,250</u></b>	
<b>SEYMOUR JOHNSON AFB</b>					
	UPGRADE STORM DRAINAGE SYSTEM	830	830	830	415
	<b><u>SEYMOUR JOHNSON AFB TOTAL:</u></b>	<b><u>830</u></b>	<b><u>830</u></b>	<b><u>830</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>PROJECT AUTH</b>	<b>AUTH FOR APPROP</b>	<b>APPROP AMOUNT</b>	<b>PAGE</b>
	<b><u>NORTH CAROLINA TOTAL:</u></b>	<b><u>9,080</u></b>	<b><u>9,080</u></b>	<b><u>9,080</u></b>	
<b>NORTH DAKOTA</b>					
<b>GRAND FORKS AFB</b>					
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	6,300	6,300	257
	DORMITORY	8,500	8,500	8,500	260
	<b><u>GRAND FORKS AFB TOTAL:</u></b>	<b><u>14,800</u></b>	<b><u>14,800</u></b>	<b><u>14,800</u></b>	
<b>MINOT AFB</b>					
	UNDERGROUND FUEL STORAGE TANKS	1,550	1,550	1,550	264
	<b><u>MINOT AFB TOTAL:</u></b>	<b><u>1,550</u></b>	<b><u>1,550</u></b>	<b><u>1,550</u></b>	
	<b><u>NORTH DAKOTA TOTAL:</u></b>	<b><u>16,350</u></b>	<b><u>16,350</u></b>	<b><u>16,350</u></b>	
<b>OHIO</b>					
<b>WRIGHT-PATTERSON AFB</b>					
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	4,100	4,100	268
	<b><u>WRIGHT-PATTERSON AFB TOTAL:</u></b>	<b><u>4,100</u></b>	<b><u>4,100</u></b>	<b><u>4,100</u></b>	
	<b><u>OHIO TOTAL:</u></b>	<b><u>4,100</u></b>	<b><u>4,100</u></b>	<b><u>4,100</u></b>	
<b>OKLAHOMA</b>					
<b>ALTUS AFB</b>					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	272
	<b><u>ALTUS AFB TOTAL:</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	
<b>TINKER AFB</b>					
	ADD TO AND ALTER DORMITORIES	5,100	5,100	5,100	276
	<b><u>TINKER AFB TOTAL:</u></b>	<b><u>5,100</u></b>	<b><u>5,100</u></b>	<b><u>5,100</u></b>	
	<b><u>OKLAHOMA TOTAL:</u></b>	<b><u>6,300</u></b>	<b><u>6,300</u></b>	<b><u>6,300</u></b>	
<b>SOUTH CAROLINA</b>					
<b>CHARLESTON AFB</b>					
	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	5,600	5,600	281
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	1,300	1,300	28
	DORMITORY	5,600	5,600	5,600	287

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
	<b><u>CHARLESTON AFB TOTAL:</u></b>	<b><u>12,500</u></b>	<b><u>12,500</u></b>	<b><u>12,500</u></b>	
<b>SHAW AFB</b>					
	UPGRADE STORM DRAINAGE SYSTEM	1,300	1,300	1,300	291
	<b><u>SHAW AFB TOTAL:</u></b>	<b><u>1,300</u></b>	<b><u>1,300</u></b>	<b><u>1,300</u></b>	
	<b><u>SOUTH CAROLINA TOTAL:</u></b>	<b><u>13,800</u></b>	<b><u>13,800</u></b>	<b><u>13,800</u></b>	
<b>TENNESSEE</b> <b>ARNOLD AFB</b>					
	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	2,300	2,300	295
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	2,700	2,700	298
	<b><u>ARNOLD AFB TOTAL:</u></b>	<b><u>5,000</u></b>	<b><u>5,000</u></b>	<b><u>5,000</u></b>	
	<b><u>TENNESSEE TOTAL:</u></b>	<b><u>5,000</u></b>	<b><u>5,000</u></b>	<b><u>5,000</u></b>	
<b>TEXAS</b> <b>BROOKS AFB</b>					
	ADD TO AND ALTER COMMUNICATIONS FACILITY	233	233	0	417
	<b><u>BROOKS AFB TOTAL:</u></b>	<b><u>233</u></b>	<b><u>233</u></b>	<b><u>0</u></b>	
<b>KELLY AFB</b>					
	COMMUNICATIONS FACILITY	353	353	0	419
	WING HEADQUARTERS FACILITY	3,244	3,244	3,244	303
	<b><u>KELLY AFB TOTAL:</u></b>	<b><u>3,597</u></b>	<b><u>3,597</u></b>	<b><u>3,244</u></b>	
<b>LAUGHLIN AFB</b>					
	FIRE TRAINING FACILITY	1,400	1,400	1,400	307
	<b><u>LAUGHLIN AFB TOTAL:</u></b>	<b><u>1,400</u></b>	<b><u>1,400</u></b>	<b><u>1,400</u></b>	
<b>RANDOLPH AFB</b>					
	UPGRADE AIRFIELD LIGHTING	1,900	1,900	1,900	311
	FIRE TRAINING FACILITY	1,200	1,200	1,200	314
	<b><u>RANDOLPH AFB TOTAL:</u></b>	<b><u>3,100</u></b>	<b><u>3,100</u></b>	<b><u>3,100</u></b>	
<b>REESE AFB</b>					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	318

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>PROJECT <u>AUTH</u></b>	<b>AUTH <u>FOR APPROP</u></b>	<b>APPROP <u>AMOUNT</u></b>	<b>PAGE</b>
	<b><u>REESE AFB TOTAL:</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	<b><u>1,200</u></b>	
<b>SHEPPARD AFB</b>					
	UPGRADE AIRFIELD LIGHTING	1,500	1,500	1,500	322
	<b><u>SHEPPARD AFB TOTAL:</u></b>	<b><u>1,500</u></b>	<b><u>1,500</u></b>	<b><u>1,500</u></b>	
	<b><u>TEXAS TOTAL:</u></b>	<b><u>11,030</u></b>	<b><u>11,030</u></b>	<b><u>10,444</u></b>	
<b>VIRGINIA</b>					
<b>LANGLEY AFB</b>					
	ALTER ACC HEADQUARTERS FACILITY	263	263	0	421
	UPGRADE STORM DRAINAGE SYSTEM	1,000	1,000	1,000	423
	<b><u>LANGLEY AFB TOTAL:</u></b>	<b><u>1,263</u></b>	<b><u>1,263</u></b>	<b><u>1,000</u></b>	
	<b><u>VIRGINIA TOTAL:</u></b>	<b><u>1,263</u></b>	<b><u>1,263</u></b>	<b><u>1,000</u></b>	
<b>WASHINGTON</b>					
<b>FAIRCHILD AFB</b>					
	ALTER DORMITORIES	7,500	7,500	7,500	327
	<b><u>FAIRCHILD AFB TOTAL:</u></b>	<b><u>7,500</u></b>	<b><u>7,500</u></b>	<b><u>7,500</u></b>	
<b>MCCHORD AFB</b>					
	SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	5,600	5,600	331
	DORMITORY	4,300	4,300	4,300	334
	<b><u>MCCHORD AFB TOTAL:</u></b>	<b><u>9,900</u></b>	<b><u>9,900</u></b>	<b><u>9,900</u></b>	
	<b><u>WASHINGTON TOTAL:</u></b>	<b><u>17,400</u></b>	<b><u>17,400</u></b>	<b><u>17,400</u></b>	
<b>WYOMING</b>					
<b>F E WARREN AFB</b>					
	ALTER DORMITORIES	5,500	5,500	5,500	338
	UPGRADE CENTRAL HEAT PLANT	3,500	3,500	3,500	341
	<b><u>F E WARREN AFB TOTAL:</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	
	<b><u>WYOMING TOTAL:</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	<b><u>9,000</u></b>	
	<b><u>INSIDE THE U.S. TOTAL:</u></b>	<b><u>407,839</u></b>	<b><u>407,839</u></b>	<b><u>406,390</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
OUTSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
<b>CLASSIFIED CLASSIFIED LOCATION</b>					
	VEHICLE MAINTENANCE FACILITY	1,600	1,600	1,600	345
	WAR READINESS MATERIAL WAREHOUSES	15,500	15,500	15,500	348
	<b><u>CLASSIFIED LOCATION TOTAL:</u></b>	<b><u>17,100</u></b>	<b><u>17,100</u></b>	<b><u>17,100</u></b>	
	<b><u>CLASSIFIED TOTAL:</u></b>	<b><u>17,100</u></b>	<b><u>17,100</u></b>	<b><u>17,100</u></b>	
<b>GERMANY SPANGDAHLEM AB</b>					
	SOUND SUPPRESSOR FOUNDATION	600	600	600	425
	SOUND SUPPRESSOR FOUNDATION	950	950	950	428
	ADD TO MISSILE MAINTENANCE SHOP	930	930	930	431
	DORMITORY	5,900	5,900	5,900	352
	<b><u>SPANGDAHLEM AB TOTAL:</u></b>	<b><u>8,380</u></b>	<b><u>8,380</u></b>	<b><u>8,380</u></b>	
<b>VOGELWEH ANNEX</b>					
	CHILD DEVELOPMENT CENTER	2,600	2,600	2,600	356
	<b><u>VOGELWEH ANNEX TOTAL:</u></b>	<b><u>2,600</u></b>	<b><u>2,600</u></b>	<b><u>2,600</u></b>	
	<b><u>GERMANY TOTAL:</u></b>	<b><u>10,980</u></b>	<b><u>10,980</u></b>	<b><u>10,980</u></b>	
<b>GREECE ARAXOS RRS</b>					
	DORMITORY	1,950	1,950	1,950	360
	<b><u>ARAXOS RRS TOTAL:</u></b>	<b><u>1,950</u></b>	<b><u>1,950</u></b>	<b><u>1,950</u></b>	
	<b><u>GREECE TOTAL:</u></b>	<b><u>1,950</u></b>	<b><u>1,950</u></b>	<b><u>1,950</u></b>	
<b>ITALY AVIANO AB</b>					
	SQUADRON OPERATIONS FACILITY	950	950	950	433
	COMMUNICATIONS MAINTENANCE FACILITY	1,400	1,400	1,400	364
	<b><u>AVIANO AB TOTAL:</u></b>	<b><u>2,350</u></b>	<b><u>2,350</u></b>	<b><u>2,350</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
OUTSIDE THE U.S.**

<u>STATE/COUNTRY</u> <u>INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
<b>GHEDI RRS</b>					
	DORMITORY	1,450	1,450	1,450	368
	<b><u>GHEDI RRS TOTAL:</u></b>	<b><u>1,450</u></b>	<b><u>1,450</u></b>	<b><u>1,450</u></b>	
	<b><u>ITALY TOTAL:</u></b>	<b><u>3,800</u></b>	<b><u>3,800</u></b>	<b><u>3,800</u></b>	
<b>TURKEY</b>					
<b>ANKARA AS</b>					
	LONG PERIOD SEISMIC ARRAY	3,000	3,000	3,000	372
	SHORT PERIOD SEISMIC ARRAY	4,000	4,000	4,000	375
	<b><u>ANKARA AS TOTAL:</u></b>	<b><u>7,000</u></b>	<b><u>7,000</u></b>	<b><u>7,000</u></b>	
<b>INCIRLIK AB</b>					
	CHILD DEVELOPMENT CENTER	1,600	1,600	1,600	379
	UPGRADE SEWAGE TREATMENT PLANT	2,900	2,900	2,900	382
	<b><u>INCIRLIK AB TOTAL:</u></b>	<b><u>4,500</u></b>	<b><u>4,500</u></b>	<b><u>4,500</u></b>	
	<b><u>TURKEY TOTAL:</u></b>	<b><u>11,500</u></b>	<b><u>11,500</u></b>	<b><u>11,500</u></b>	
<b>UNITED KINGDOM</b>					
<b>RAF LAKENHEATH</b>					
	ADD TO MISSILE MAINTENANCE SHOP	1,820	1,820	1,820	386
	<b><u>RAF LAKENHEATH TOTAL:</u></b>	<b><u>1,820</u></b>	<b><u>1,820</u></b>	<b><u>1,820</u></b>	
<b>RAF MILDENHALL</b>					
	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	2,250	2,250	2,250	390
	<b><u>RAF MILDENHALL TOTAL:</u></b>	<b><u>2,250</u></b>	<b><u>2,250</u></b>	<b><u>2,250</u></b>	
	<b><u>UNITED KINGDOM TOTAL:</u></b>	<b><u>4,070</u></b>	<b><u>4,070</u></b>	<b><u>4,070</u></b>	
	<b><u>OUTSIDE THE U.S. TOTAL:</u></b>	<b><u>49,400</u></b>	<b><u>49,400</u></b>	<b><u>49,400</u></b>	

**DEPARTMENT OF THE AIR FORCE  
INDEX  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
(DOLLARS IN THOUSANDS)  
WORLDWIDE**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
<b>VARIOUS VARIOUS LOCATIONS</b>					
	UNSPECIFIED MINOR CONSTRUCTION	9,030	9,030	9,030	394
	PLANNING AND DESIGN	30,835	30,835	30,835	396
	<b><u>VARIOUS LOCATIONS TOTAL:</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	
	<b><u>VARIOUS TOTAL:</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	
	<b><u>WORLDWIDE TOTAL:</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	<b><u>39,865</u></b>	
	<b><u>FY 1996 TOTAL:</u></b>	<b><u>497,104</u></b>	<b><u>497,104</u></b>	<b><u>495,655</u></b>	

## DEFINITIONS OF NEW AND CURRENT MISSION

**NEW MISSION PROJECTS** - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space projects and support of new equipment such as radars, communications, computers, satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

**CURRENT MISSION PROJECTS** - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 96</u>	<u>(\$000)</u>
NEW MISSION	\$189,765
CURRENT MISSION	\$305,890
TOTAL:	\$495,655

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
<b>ALABAMA</b>			
<b>MAXWELL AFB</b>			
	<b>CHILD DEVELOPMENT CENTER COMPLEX</b>	<b>3,700</b>	<b>CM</b>
	<b><u>MAXWELL AFB TOTAL:</u></b>	<b><u>3,700</u></b>	
	<b><u>ALABAMA TOTAL:</u></b>	<b><u>3,700</u></b>	
<b>ALASKA</b>			
<b>EIELSON AFB</b>			
	<b>ALTER DORMITORY</b>	<b>3,850</b>	<b>CM</b>
	<b><u>EIELSON AFB TOTAL:</u></b>	<b><u>3,850</u></b>	
<b>ELMENDORF AFB</b>			
	<b>REPAIR AIRFIELD TAXIWAY</b>	<b>900</b>	<b>CM</b>
	<b>MILSTAR COMMUNICATIONS GROUND TERMINAL</b>	<b>850</b>	<b>NM</b>
	<b>VISITING OFFICERS QUARTERS</b>	<b>7,350</b>	<b>CM</b>
	<b><u>ELMENDORF AFB TOTAL:</u></b>	<b><u>9,100</u></b>	
<b>TIN CITY LRRS</b>			
	<b>ABOVEGROUND FUEL STORAGE TANKS</b>	<b>2,500</b>	<b>CME</b>
	<b><u>TIN CITY LRRS TOTAL:</u></b>	<b><u>2,500</u></b>	
	<b><u>ALASKA TOTAL:</u></b>	<b><u>15,450</u></b>	
<b>ARIZONA</b>			
<b>DAVIS-MONTHAN AFB</b>			
	<b>ALTER AIRCRAFT CORROSION CONTROL FACILITY</b>	<b>1,000</b>	<b>CME</b>
	<b>DORMITORY</b>	<b>3,800</b>	<b>NM</b>
	<b><u>DAVIS-MONTHAN AFB TOTAL:</u></b>	<b><u>4,800</u></b>	
<b>LUKE AFB</b>			
	<b>DORMITORY</b>	<b>5,200</b>	<b>NM</b>
	<b><u>LUKE AFB TOTAL:</u></b>	<b><u>5,200</u></b>	

**Legend:** CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
	<b><u>ARIZONA TOTAL:</u></b>	<b><u>10,000</u></b>	
<b>ARKANSAS</b>			
<b>LITTLE ROCK AFB</b>			
	UPGRADE SANITARY SEWER SYSTEM	2,500	CME
	<b><u>LITTLE ROCK AFB TOTAL:</u></b>	<b><u>2,500</u></b>	
	<b><u>ARKANSAS TOTAL:</u></b>	<b><u>2,500</u></b>	
<b>CALIFORNIA</b>			
<b>BEALE AFB</b>			
	LANDFILL CLOSURE	7,500	CME
	<b><u>BEALE AFB TOTAL:</u></b>	<b><u>7,500</u></b>	
<b>EDWARDS AFB</b>			
	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	12,100	NM
	ADD TO AND ALTER ANECHOIC CHAMBER	11,100	NM
	DORMITORY	10,600	CM
	<b><u>EDWARDS AFB TOTAL:</u></b>	<b><u>33,800</u></b>	
<b>TRAVIS AFB</b>			
	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	7,400	CM
	KC-10 ADD TO FLIGHT SIMULATOR FACILITY	2,400	NM
	DORMITORY	6,400	CM
	DORMITORIES	10,500	CM
	<b><u>TRAVIS AFB TOTAL:</u></b>	<b><u>26,700</u></b>	
<b>VANDENBERG AFB</b>			
	FIRE STATION	2,000	CM

Legend: CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY INSTALLATION</b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
	<b>SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY</b>	<b>4,000</b>	<b>CM</b>
	<b><u>VANDENBERG AFB TOTAL:</u></b>	<b><u>6,000</u></b>	
	<b><u>CALIFORNIA TOTAL:</u></b>	<b><u>74,000</u></b>	
<b>CLASSIFIED</b>			
<b>CLASSIFIED LOCATION</b>			
	<b>SPECIAL TACTICAL UNIT DETACHMENT FACILITY</b>	<b>700</b>	<b>NM</b>
	<b><u>CLASSIFIED LOCATION TOTAL:</u></b>	<b><u>700</u></b>	
	<b><u>CLASSIFIED TOTAL:</u></b>	<b><u>700</u></b>	
<b>COLORADO</b>			
<b>BUCKLEY ANGB</b>			
	<b>TROOP SUPPORT FACILITIES</b>	<b>5,500</b>	<b>NM</b>
	<b><u>BUCKLEY ANGB TOTAL:</u></b>	<b><u>5,500</u></b>	
<b>PETERSON AFB</b>			
	<b>FIRE STATION</b>	<b>1,390</b>	<b>CM</b>
	<b>ADD TO AND ALTER DORMITORY</b>	<b>3,000</b>	<b>CM</b>
	<b><u>PETERSON AFB TOTAL:</u></b>	<b><u>4,390</u></b>	
<b>USAF ACADEMY</b>			
	<b>SAILPLANE HANGAR</b>	<b>3,724</b>	<b>CM</b>
	<b>CHILD DEVELOPMENT CENTER</b>	<b>4,200</b>	<b>CM</b>
	<b>UPGRADE FACILITIES HEATING SYSTEM</b>	<b>4,950</b>	<b>CM</b>
	<b><u>USAF ACADEMY TOTAL:</u></b>	<b><u>12,874</u></b>	
	<b><u>COLORADO TOTAL:</u></b>	<b><u>22,764</u></b>	
<b>DELAWARE</b>			
<b>DOVER AFB</b>			
	<b>C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC</b>	<b>5,500</b>	<b>CM</b>
	<b><u>DOVER AFB TOTAL:</u></b>	<b><u>5,500</u></b>	

**Legend:** CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY INSTALLATION</b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
	<b><u>DELAWARE TOTAL:</u></b>	<b><u>5,500</u></b>	
<b>DISTRICT OF COLUMBIA</b>			
BOLLING AFB			
	ALTER DORMITORY	6,500	CM
	HONOR GUARD DORMITORY	5,600	CM
	<b><u>BOLLING AFB TOTAL:</u></b>	<b><u>12,100</u></b>	
	<b><u>DISTRICT OF COLUMBIA TOTAL:</u></b>	<b><u>12,100</u></b>	
<b>FLORIDA</b>			
CAPE CANAVERAL AFS			
	FIRE TRAINING FACILITY	1,600	CME
	<b><u>CAPE CANAVERAL AFS TOTAL:</u></b>	<b><u>1,600</u></b>	
EGLIN AFB			
	REPAIR RUNWAY	6,200	CM
	<b><u>EGLIN AFB TOTAL:</u></b>	<b><u>6,200</u></b>	
TYNDALL AFB			
	FIRE TRAINING FACILITY	1,200	CME
	<b><u>TYNDALL AFB TOTAL:</u></b>	<b><u>1,200</u></b>	
	<b><u>FLORIDA TOTAL:</u></b>	<b><u>9,000</u></b>	
<b>GEORGIA</b>			
MOODY AFB			
	C-130 AERIAL DELIVERY FACILITY	4,600	NM
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	NM
	CONTROL TOWER	2,700	CM
	C-130 AIRCRAFT WASHRACK FACILITY	1,700	NM
	UPGRADE STORM DRAINAGE SYSTEM	690	CME
	<b><u>MOODY AFB TOTAL:</u></b>	<b><u>12,890</u></b>	

Legend: CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
<b>ROBINS AFB</b>			
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	NM
	<b><u>ROBINS AFB TOTAL:</u></b>	<b><u>6,900</u></b>	
	<b><u>GEORGIA TOTAL:</u></b>	<b><u>19,790</u></b>	
<b>HAWAII</b>			
<b>HICKAM AFB</b>			
	REPAIR AIRFIELD PAVEMENTS	4,550	CM
	ALTER DORMITORY	3,100	CM
	ALTER TRANSIENT DORMITORY	3,050	CM
	<b><u>HICKAM AFB TOTAL:</u></b>	<b><u>10,700</u></b>	
	<b><u>HAWAII TOTAL:</u></b>	<b><u>10,700</u></b>	
<b>IDAHO</b>			
<b>MOUNTAIN HOME AFB</b>			
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	NM
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,850	CME
	UPGRADE STORM DRAINAGE SYSTEM	800	CME
	<b><u>MOUNTAIN HOME AFB TOTAL:</u></b>	<b><u>18,650</u></b>	
	<b><u>IDAHO TOTAL:</u></b>	<b><u>18,650</u></b>	
<b>ILLINOIS</b>			
<b>SCOTT AFB</b>			
	DORMITORY	8,000	CM
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	CM
	<b><u>SCOTT AFB TOTAL:</u></b>	<b><u>12,700</u></b>	
	<b><u>ILLINOIS TOTAL:</u></b>	<b><u>12,700</u></b>	

**Legend:** CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
<b>KANSAS</b>			
<b>MCCONNELL AFB</b>			
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,100	NM
	ALTER DORMITORY	2,200	CM
	DEICING PAD	1,150	CME
	<b><u>MCCONNELL AFB TOTAL:</u></b>	<b><u>9,450</u></b>	
	<b><u>KANSAS TOTAL:</u></b>	<b><u>9,450</u></b>	
<b>LOUISIANA</b>			
<b>BARKSDALE AFB</b>			
	B-52 TRAINING COMPLEX	2,500	NM
	<b><u>BARKSDALE AFB TOTAL:</u></b>	<b><u>2,500</u></b>	
	<b><u>LOUISIANA TOTAL:</u></b>	<b><u>2,500</u></b>	
<b>MARYLAND</b>			
<b>ANDREWS AFB</b>			
	UNDERGROUND FUEL STORAGE TANKS	6,886	CME
	DORMITORY	6,000	CM
	<b><u>ANDREWS AFB TOTAL:</u></b>	<b><u>12,886</u></b>	
	<b><u>MARYLAND TOTAL:</u></b>	<b><u>12,886</u></b>	
<b>MISSISSIPPI</b>			
<b>COLUMBUS AFB</b>			
	FIRE TRAINING FACILITY	1,150	CME
	<b><u>COLUMBUS AFB TOTAL:</u></b>	<b><u>1,150</u></b>	
<b>KEESLER AFB</b>			
	UPGRADE STUDENT DORMITORY	6,500	CM
	<b><u>KEESLER AFB TOTAL:</u></b>	<b><u>6,500</u></b>	
	<b><u>MISSISSIPPI TOTAL:</u></b>	<b><u>7,650</u></b>	

Legend: CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
<b>MISSOURI</b>			
<b>WHITEMAN AFB</b>			
	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	1,500	NM
	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	4,100	NM
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,500	NM
	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	3,500	NM
	<b><u>WHITEMAN AFB TOTAL:</u></b>	<b><u>24,600</u></b>	
	<b><u>MISSOURI TOTAL:</u></b>	<b><u>24,600</u></b>	
<b>NEVADA</b>			
<b>NELLIS AFB</b>			
	VISITING QUARTERS	9,900	CM
	UPGRADE STORM DRAINAGE SYSTEM	600	CME
	<b><u>NELLIS AFB TOTAL:</u></b>	<b><u>10,500</u></b>	
	<b><u>NEVADA TOTAL:</u></b>	<b><u>10,500</u></b>	
<b>NEW JERSEY</b>			
<b>MCGUIRE AFB</b>			
	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	7,600	NM
	FIRE TRAINING FACILITY	1,600	CME
	<b><u>MCGUIRE AFB TOTAL:</u></b>	<b><u>9,200</u></b>	
	<b><u>NEW JERSEY TOTAL:</u></b>	<b><u>9,200</u></b>	
<b>NEW MEXICO</b>			
<b>CANNON AFB</b>			
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,800	CME
	UPGRADE STORM DRAINAGE SYSTEM	620	CME
	<b><u>CANNON AFB TOTAL:</u></b>	<b><u>10,420</u></b>	

Legend: CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY INSTALLATION</b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
<b>KIRTLAND AFB</b>			
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	7,656	CM
	UPGRADE STORM DRAINAGE SYSTEM	1,500	CME
	<b><u>KIRTLAND AFB TOTAL:</u></b>	<b><u>9,156</u></b>	
	<b><u>NEW MEXICO TOTAL:</u></b>	<b><u>19,576</u></b>	
<b>NORTH CAROLINA</b>			
<b>POPE AFB</b>			
	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	6,100	NM
	UNDERGROUND FUEL STORAGE TANKS	2,150	CME
	<b><u>POPE AFB TOTAL:</u></b>	<b><u>8,250</u></b>	
<b>SEYMORE JOHNSON AFB</b>			
	UPGRADE STORM DRAINAGE SYSTEM	830	CME
	<b><u>SEYMORE JOHNSON AFB TOTAL:</u></b>	<b><u>830</u></b>	
	<b><u>NORTH CAROLINA TOTAL:</u></b>	<b><u>9,080</u></b>	
<b>NORTH DAKOTA</b>			
<b>GRAND FORKS AFB</b>			
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	NM
	DORMITORY	8,500	CM
	<b><u>GRAND FORKS AFB TOTAL:</u></b>	<b><u>14,800</u></b>	
<b>MINOT AFB</b>			
	UNDERGROUND FUEL STORAGE TANKS	1,550	CME
	<b><u>MINOT AFB TOTAL:</u></b>	<b><u>1,550</u></b>	
	<b><u>NORTH DAKOTA TOTAL:</u></b>	<b><u>16,350</u></b>	
<b>OHIO</b>			
<b>WRIGHT-PATTERSON AFB</b>			
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	CM

Legend: CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY INSTALLATION</b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
	<b><u>WRIGHT-PATTERSON AFB TOTAL:</u></b>	<b><u>4,100</u></b>	
	<b><u>OHIO TOTAL:</u></b>	<b><u>4,100</u></b>	
<b>OKLAHOMA</b>			
ALTUS AFB	FIRE TRAINING FACILITY	1,200	CME
	<b><u>ALTUS AFB TOTAL:</u></b>	<b><u>1,200</u></b>	
TINKER AFB	ADD TO AND ALTER DORMITORIES	5,100	CM
	<b><u>TINKER AFB TOTAL:</u></b>	<b><u>5,100</u></b>	
	<b><u>OKLAHOMA TOTAL:</u></b>	<b><u>6,300</u></b>	
<b>SOUTH CAROLINA</b>			
CHARLESTON AFB	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	NM
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	NM
	DORMITORY	5,600	CM
	<b><u>CHARLESTON AFB TOTAL:</u></b>	<b><u>12,500</u></b>	
SHAW AFB	UPGRADE STORM DRAINAGE SYSTEM	1,300	CME
	<b><u>SHAW AFB TOTAL:</u></b>	<b><u>1,300</u></b>	
	<b><u>SOUTH CAROLINA TOTAL:</u></b>	<b><u>13,800</u></b>	
<b>TENNESSEE</b>			
ARNOLD AFB	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	CME
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	CM
	<b><u>ARNOLD AFB TOTAL:</u></b>	<b><u>5,000</u></b>	
	<b><u>TENNESSEE TOTAL:</u></b>	<b><u>5,000</u></b>	

**Legend:** CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE.  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
<b>TEXAS</b>			
<b>KELLY AFB</b>			
	WING HEADQUARTERS FACILITY	3,244	CM
	<b><u>KELLY AFB TOTAL:</u></b>	<b><u>3,244</u></b>	
<b>LAUGHLIN AFB</b>			
	FIRE TRAINING FACILITY	1,400	CME
	<b><u>LAUGHLIN AFB TOTAL:</u></b>	<b><u>1,400</u></b>	
<b>RANDOLPH AFB</b>			
	UPGRADE AIRFIELD LIGHTING	1,900	CM
	FIRE TRAINING FACILITY	1,200	CME
	<b><u>RANDOLPH AFB TOTAL:</u></b>	<b><u>3,100</u></b>	
<b>REESE AFB</b>			
	FIRE TRAINING FACILITY	1,200	CME
	<b><u>REESE AFB TOTAL:</u></b>	<b><u>1,200</u></b>	
<b>SHEPPARD AFB</b>			
	UPGRADE AIRFIELD LIGHTING	1,500	CM
	<b><u>SHEPPARD AFB TOTAL:</u></b>	<b><u>1,500</u></b>	
	<b><u>TEXAS TOTAL:</u></b>	<b><u>10,444</u></b>	
<b>VIRGINIA</b>			
<b>LANGLEY AFB</b>			
	UPGRADE STORM DRAINAGE SYSTEM	1,000	CME
	<b><u>LANGLEY AFB TOTAL:</u></b>	<b><u>1,000</u></b>	
	<b><u>VIRGINIA TOTAL:</u></b>	<b><u>1,000</u></b>	
<b>WASHINGTON</b>			
<b>FAIRCHILD AFB</b>			
	ALTER DORMITORIES	7,500	CM
	<b><u>FAIRCHILD AFB TOTAL:</u></b>	<b><u>7,500</u></b>	

**Legend:** CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
INSIDE THE U.S.**

<b>STATE/COUNTRY INSTALLATION</b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
<b>MCCHORD AFB</b>			
	<b>SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC</b>	<b>5,600</b>	<b>CM</b>
	<b>DORMITORY</b>	<b>4,300</b>	<b>CM</b>
	<b><u>MCCHORD AFB TOTAL:</u></b>	<b><u>9,900</u></b>	
	<b><u>WASHINGTON TOTAL:</u></b>	<b><u>17,400</u></b>	
<b>WYOMING</b>			
<b>F E WARREN AFB</b>			
	<b>ALTER DORMITORIES</b>	<b>5,500</b>	<b>CM</b>
	<b>UPGRADE CENTRAL HEAT PLANT</b>	<b>3,500</b>	<b>CM</b>
	<b><u>F E WARREN AFB TOTAL:</u></b>	<b><u>9,000</u></b>	
	<b><u>WYOMING TOTAL:</u></b>	<b><u>9,000</u></b>	
	<b><u>INSIDE THE U.S. TOTAL:</u></b>	<b><u>406,390</u></b>	
<b>CLASSIFIED</b>			
<b>CLASSIFIED LOCATION</b>			
	<b>VEHICLE MAINTENANCE FACILITY</b>	<b>1,600</b>	<b>NM</b>
	<b>WAR READINESS MATERIAL WAREHOUSES</b>	<b>15,500</b>	<b>NM</b>
	<b><u>CLASSIFIED LOCATION TOTAL:</u></b>	<b><u>17,100</u></b>	
	<b><u>CLASSIFIED TOTAL:</u></b>	<b><u>17,100</u></b>	
<b>GERMANY</b>			
<b>SPANGDAHLEM AB</b>			
	<b>SOUND SUPPRESSOR FOUNDATION</b>	<b>600</b>	<b>NM</b>
	<b>SOUND SUPPRESSOR FOUNDATION</b>	<b>950</b>	<b>NM</b>
	<b>ADD TO MISSILE MAINTENANCE SHOP</b>	<b>930</b>	<b>NM</b>
	<b>DORMITORY</b>	<b>5,900</b>	<b>CM</b>
	<b><u>SPANGDAHLEM AB TOTAL:</u></b>	<b><u>8,380</u></b>	

**Legend:** CM - Current Mission  
CME - Current Mission Environmental  
NM - New Mission  
WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
OUTSIDE THE U.S.**

<b>STATE/COUNTRY <u>INSTALLATION</u></b>	<b>PROJECT</b>	<b>APPROP AMOUNT</b>	<b>TYPE</b>
<b>VOGELWEH ANNEX</b>			
	<b>CHILD DEVELOPMENT CENTER</b>	<b>2,600</b>	<b>CM</b>
	<b><u>VOGELWEH ANNEX TOTAL:</u></b>	<b><u>2,600</u></b>	
	<b><u>GERMANY TOTAL:</u></b>	<b><u>10,980</u></b>	
<b>GREECE</b>			
<b>ARAXOS RRS</b>			
	<b>DORMITORY</b>	<b>1,950</b>	<b>CM</b>
	<b><u>ARAXOS RRS TOTAL:</u></b>	<b><u>1,950</u></b>	
	<b><u>GREECE TOTAL:</u></b>	<b><u>1,950</u></b>	
<b>ITALY</b>			
<b>AVIANO AB</b>			
	<b>SQUADRON OPERATIONS FACILITY</b>	<b>950</b>	<b>NM</b>
	<b>COMMUNICATIONS MAINTENANCE FACILITY</b>	<b>1,400</b>	<b>NM</b>
	<b><u>AVIANO AB TOTAL:</u></b>	<b><u>2,350</u></b>	
<b>GHEDI RRS</b>			
	<b>DORMITORY</b>	<b>1,450</b>	<b>CM</b>
	<b><u>GHEDI RRS TOTAL:</u></b>	<b><u>1,450</u></b>	
	<b><u>ITALY TOTAL:</u></b>	<b><u>3,800</u></b>	
<b>TURKEY</b>			
<b>ANKARA AB</b>			
	<b>LONG PERIOD SEISMIC ARRAY</b>	<b>3,000</b>	<b>CM</b>
	<b>SHORT PERIOD SEISMIC ARRAY</b>	<b>4,000</b>	<b>CM</b>
	<b><u>ANKARA AB TOTAL:</u></b>	<b><u>7,000</u></b>	
<b>INCIRLIK AB</b>			
	<b>CHILD DEVELOPMENT CENTER</b>	<b>1,600</b>	<b>CM</b>

**Legend:** CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996  
CURRENT MISSION, NEW MISSION AND WORLDWIDE  
(DOLLARS IN THOUSANDS)  
OUTSIDE THE U.S.**

<u>STATE/COUNTRY INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
	<b>UPGRADE SEWAGE TREATMENT PLANT</b>	<b>2,900</b>	<b>CME</b>
	<b><u>INCIRLIK AB TOTAL:</u></b>	<b><u>4,500</u></b>	
	<b><u>TURKEY TOTAL:</u></b>	<b><u>11,500</u></b>	
<b>UNITED KINGDOM</b>			
	<b>RAF LAKENHEATH</b>		
	ADD TO MISSILE MAINTENANCE SHOP	1,820	NM
	<b><u>RAF LAKENHEATH TOTAL:</u></b>	<b><u>1,820</u></b>	
	<b>RAF MILDENHALL</b>		
	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	2,250	CM
	<b><u>RAF MILDENHALL TOTAL:</u></b>	<b><u>2,250</u></b>	
	<b><u>UNITED KINGDOM TOTAL:</u></b>	<b><u>4,070</u></b>	
	<b><u>OUTSIDE THE U.S. TOTAL:</u></b>	<b><u>49,400</u></b>	
<b>VARIOUS</b>			
	<b>VARIOUS LOCATIONS</b>		
	UNSPECIFIED MINOR CONSTRUCTION	9,030	WW
	PLANNING AND DESIGN	30,835	WW
	<b><u>VARIOUS LOCATIONS TOTAL:</u></b>	<b><u>39,865</u></b>	
	<b><u>VARIOUS TOTAL:</u></b>	<b><u>39,865</u></b>	
	<b><u>WORLDWIDE TOTAL:</u></b>	<b><u>39,865</u></b>	
	<b><u>FY 1996 TOTAL:</u></b>	<b><u>495,655</u></b>	

**Legend:** CM - Current Mission  
 CME - Current Mission Environmental  
 NM - New Mission  
 WW - New Mission Worldwide

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM  
FY 1996 PRESIDENT'S BUDGET  
INSTALLATION INDEX**

<u>INSTALLATION</u>	<u>COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
ALTUS AFB	AETC	OKLAHOMA	271
ANDREWS AFB	AMC	MARYLAND	371
ANKARA AS	USAFE	TURKEY	200
ARAXOS RRS	USAFE	GREECE	359
ARNOLD AFB	AFMC	TENNESSEE	294
AVIANO AB	USAFE	ITALY	363
BARKSDALE AFB	ACC	LOUISIANA	196
BEALE AFB	ACC	CALIFORNIA	65
BOLLING AFB	AFDW	DISTRICT OF COLUMBIA	125
BROOKS AFB	AFMC	TEXAS	301
BUCKLEY ANGB	AFMC	COLORADO	100
CANNON AFB	ACC	NEW MEXICO	237
CAPE CANAVERAL AFS	SPACECOM	FLORIDA	132
CHARLESTON AFB	AMC	SOUTH CAROLINA	279
CLASSIFIED LOCATIONS	LEE	CLASSIFIED	99, 344
COLUMBUS AFB	AETC	MISSISSIPPI	206A
DAVIS-MONTHAN AFB	ACC	ARIZONA	53
DOVER AFB	AMC	DELAWARE	121
EDWARDS AFB	AFMC	CALIFORNIA	69
EGLIN AFB	AFMC	FLORIDA	136
EIELSON AFB	PACAF	ALASKA	41
ELMENDORF AFB	PACAF	ALASKA	45
F E WARREN AFB	SPACECOM	WYOMING	337
FAIRCHILD AFB	AMC	WASHINGTON	326
GHEDI RRS	USAFE	ITALY	367
GRAND FORKS AFB	AMC	NORTH DAKOTA	256
HICKAM AFB	PACAF	HAWAII	162
INCIRLIK AB	USAFE	TURKEY	378
KEESLER AFB	AETC	MISSISSIPPI	210
KELLY AFB	AFIA	TEXAS	302
KIRTLAND AFB	AFMC	NEW MEXICO	241
RAF LAKENHEATH	USAFE	UNITED KINGDOM	385
LANGLEY AFB	ACC	VIRGINIA	325
LAUGHLIN AFB	AETC	TEXAS	306
LITTLE ROCK AFB	ACC	ARKANSAS	61
LUKE AFB	AETC	ARIZONA	57
MAXWELL AFB	AETC	ALABAMA	37
MCCHORD AFB	AMC	WASHINGTON	330
McCONNELL AFB	AMC	KANSAS	186

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM  
FY 1996 PRESIDENT'S BUDGET  
INSTALLATION INDEX**

<u>INSTALLATION</u>	<u>COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
MCGUIRE AFB	AMC	NEW JERSEY	230
RAF MILDENHALL	USAFE	UNITED KINGDOM	389
MINOT AFB	ACC	NORTH DAKOTA	263
MOODY AFB	ACC	GEORGIA	144
MOUNTAIN HOME AFB	ACC	IDAHO	172
 NELLIS AFB	 ACC	 NEVADA	 226
 PETERSON AFB	 SPACECOM	 COLORADO	 104
POPE AFB	ACC	NORTH CAROLINA	248
 RANDOLPH AFB	 AETC	 TEXAS	 310
REESE AFB	AETC	TEXAS	317
ROBINS AFB	ACC	GEORGIA	157
 SCOTT AFB	 AMC	 ILLINOIS	 179
SEYMORE JOHNSON AFB	ACC	NORTH CAROLINA	255
SHAW AFB	ACC	SOUTH CAROLINA	290
SHEPPARD AFB	AETC	TEXAS	321
SPANGDAHLEM AB	USAFE	GERMANY	351
 TIN CITY LRRS	 PACAF	 ALASKA	 49
TINKER AFB	AFMC	OKLAHOMA	275
TRAVIS AFB	AMC	CALIFORNIA	79
TYNDALL AFB	AETC	FLORIDA	140
 USAF ACADEMY	 USAFA	 COLORADO	 111
 VANDENBERG AFB	 SPACECOM	 CALIFORNIA	 92
VARIOUS LOCATIONS	SUPPORT	WORLDWIDE	393
VOGEHWEH ANNEX	USAFE	GERMANY	355
 WHITEMAN AFB	 ACC	 MISSOURI	 214
WRIGHT-PATTERSON AFB	AFMC	OHIO	267

**DEPARTMENT OF THE AIR FORCE  
MILITARY CONSTRUCTION PROGRAM  
FISCAL YEAR 1996**

**ECONOMIC CONSIDERATIONS**

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391.

**DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL**

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

**ENVIRONMENTAL STATEMENT**

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1996 Military Construction Program.

**EVALUATION OF FLOOD PLAINS AND WETLANDS**

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood plain Management, and 11990, Protection of Wetlands, and the Flood plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

**ENVIRONMENTAL COMPLIANCE**

The FY 96 MILCON request includes \$68 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The request is the result of an intense effort to correct environmental concerns existing in five major infrastructure areas: wastewater treatment systems, corrosion control systems, hydrant refueling systems, underground storage tank systems, and live fire training facilities.

FY 1996

**CONGRESSIONAL REPORTING REQUIREMENTS**

**1. STATEMENTS ON NATO ELIGIBILITY**

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

**2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M**

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

**3. NEW AND CURRENT MISSION ACTIVITIES**

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at page 17 identifies each project as new or current mission. Current mission MILCON is further broken down to indicate environmental projects. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

**4. RESOLUTION TRUST CORPORATION ASSETS**

Senate Armed Services Committee Report 101-384, dated 20 July 1990, on the National Defense Authorization Act for FY 91 requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 96 Military Construction and Family Housing programs were compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certified that no assets exist that can be economically used in lieu of the FY 96 projects requested.

**FY 1996  
THIRD PARTY FINANCING**

## **Test of long-term facilities contracts**

NONE

**FY 1996  
NON-MILCON FUNDING**

**Research and Development (RDT&E)**      **NONE**

## **APPROPRIATIONS LANGUAGE**

### **MILITARY CONSTRUCTION, AIR FORCE**

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law \$495,655,000 to remain available until September 30, 2000: Provided that, of this amount, not to exceed \$30,835,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			
Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101	Major construction				
00.0201	Minor construction				
00.0301	Planning				
00.0401	Supporting activities				
00.9101	Total direct program				
10.0001	Total				
<b>Financing:</b>					
17.00001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-8,315			
21.4003	Available to finance new budget plans	-20,042			
21.4009	Reprogramming from/to prior year budget plans	20,042			
25.00001	Unobligated balance expiring				
40.00001	Budget authority (Appropriation rescinded) (	-8,315			

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)**      **FISCAL YEAR 1990**

**Obligations**

Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
<b>Direct program:</b>		36,722			
00.0101 Major construction		311			
00.0201 Minor construction		535			
00.0301 Planning		1,445			
00.0401 Supporting activities		39,013			
<b>Total direct program</b>		39,013			
<b>10.0001 Total</b>		39,013			
<b>Financing:</b>					
17.0001 Recovery of prior year obligations		-1,332			
Unobligated balance available, start of year:					
21.4002 For completion of prior year budget plans		-57,723			
21.4003 Available to finance new budget plans		-8,315			
21.4009 Reprogramming from/to prior year budget plans		20,042			
25.0001 Unobligated balance expiring		-8,315			
40.0001 Budget authority (Appropriation rescinded) (					

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)

Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101	Major construction				
00.0201	Minor construction				
00.0301	Planning				
00.0401	Supporting activities				
00.9101	Total direct program				
10.0001	Total				
<b>Financing:</b>					
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-6,550			
21.4003	Available to finance new budget plans		-1,660		
21.4009	Reprogramming from/to prior year budget plans			1,660	
22.0001	Unobligated balance transferred to other accounts				
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans				
40.0001	Budget authority (Appropriation rescinded) (	-6,550			

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1991**

		<b>Obligations</b>		
		<b>1994 actual</b>	<b>1995 est.</b>	<b>1996 est.</b>
<b>Identification code</b>	<b>57-3300-0-1-051</b>			<b>1997 est.</b>
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101 Major construction		78,727	40,251	
00.0201 Minor construction		962	165	
00.0301 Planning		4,798	4,470	
00.0401 Supporting activities		-----	-----	
<b>Total direct program</b>		84,487	44,886	
<b>10.0001 Total</b>		84,487	44,886	
<b>Financing:</b>				
<b>17.0001 Recovery of prior year obligations</b>		-2,822		
Unobligated balance available, start of year:				
21.4002 For completion of prior year budget plans		-128,211	-44,886	
21.4003 Available to finance new budget plans		-6,550		
21.4009 Reprogramming from/to prior year budget plans				
22.0001 Unobligated balance transferred to other accounts		1,660		
Unobligated balance available, end of year:				
24.4002 For completion of prior year budget plans		44,886		
40.0001 Budget authority (Appropriation rescinded) (		-6,550		

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)

Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Program by activities:					
Direct program:					
00.0101	Major construction				
00.0201	Minor construction				
00.0301	Planning				
00.0401	Supporting activities				
00.9101	Total direct program				
10.0001	Total				
Financing:					
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-12,980		-3,029	
21.4003	Available to finance new budget plans	-9,804			
21.4009	Reprogramming from/to prior year budget plans	6,775			
22.0001	Unobligated balance transferred to other accounts				
24.4002	Unobligated balance available, end of year:				
24.4003	For completion of prior year budget plans	3,029			
	Available to finance subsequent year budget plans				
39.0001	Budget authority	-12,980		-3,029	
Budget authority:					
40.0001	Appropriation rescinded (unob bal)	-12,980		-3,029	
40.7903	Reduction pursuant to P.L. 103-307 (-)				
43.0001	Appropriation (adjusted)	-12,980		-3,029	

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1992**

		Obligations		
		1994 actual	1995 est.	1996 est.
				1997 est.
Identification code	57-3300-0-1-051			
Program by activities:				
Direct program:				
Major construction	164,179	88,805	53,614	
Minor construction	8,814	1,176		
Planning	12,894	6,133	4,400	
Supporting activities	855	723	1,065	
Total direct program	186,742	96,837	59,079	
10.0001 Total				59,079
Financing:		-109		
17.0001 Recovery of prior year obligations				
Unobligated balance available, start of year:				
21.4002 For completion of prior year budget plans	-352,352	-155,916	-59,079	
21.4003 Available to finance new budget plans	-12,980	-3,029		
21.4009 Reprogramming from/to prior year budget plans				
22.0001 Unobligated balance transferred to other accounts	6,775			
Unobligated balance available, end of year:				
24.4002 For completion of prior year budget plans	155,916	59,079		
24.4003 Available to finance subsequent year budget plans	3,029			
39.0001 Budget authority		-12,980	-3,029	
Budget authority:				
40.0001 Appropriation rescinded (unob bal)	-12,980			
40.7903 Reduction pursuant to P.L. 103-307 (-)		-3,029		
43.0001 Appropriation (adjusted)		-12,980	-3,029	

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1993

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)	
Identification code	57-3300-0-1-051	1994 actual	1995 est.
		1996 est.	1997 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
00.0101	Major construction		
00.0201	Minor construction		
00.0301	Planning		
00.9101	Total direct program		
10.0001	Total		
<b>Financing:</b>			
17.0001 Recovery of prior year obligations			
Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans	-2,250	
21.4003	Available to finance new budget plans		
21.4009	Reprogramming from/to prior year budget plans	-16,685	
22.0001	Unobligated balance transferred to other accounts	16,685	
24.4002	Unobligated balance available, end of year:		
24.4002	For completion of prior year budget plans	-2,250	
40.0001	Budget authority (Appropriation rescinded) (		

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)**

FISCAL YEAR 1993

**Obligations**

**Identification code 57-3300-0-1-051**

		1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
00.0101 Major construction		240,940	38,578	69,566	18,636
00.0201 Minor construction		450	823		
00.0301 Planning		29,131	3,700	2,269	2,086
		-----			
00.9101 Total direct program		270,521	43,101	71,835	20,722
		-----			
10.0001 Total		270,521	43,101	71,835	20,722
		-----			
<b>Financing:</b>					
17.0001 Recovery of prior year obligations		-2,632			
Unobligated balance available, start of year:					
21.4002 For completion of prior year budget plans		-420,232	-135,658	-92,557	-20,722
21.4003 Available to finance new budget plans		-2,250			
21.4009 Reprogramming from/to prior year budget plans		16,685			
22.0001 Unobligated balance transferred to other accounts					
24.4002 Unobligated balance available, end of year:					
For completion of prior year budget plans		135,658	92,557	20,722	
		-----			
40.0001 Budget authority (Appropriation rescinded) (		-2,250			
		-----			

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994

Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)

Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
Direct program:					
00.0101	Major construction	920,193			
00.0201	Minor construction	8,555			
00.0301	Planning	63,882			
00.0401	Supporting activities	7,150			
00.9101	Total direct program	999,780			
10.0001	Total	999,780			

**Financing:**

Unobligated balance available, start of year:		
21.4002	For completion of prior year budget plans	-3,000
22.0001	Unobligated balance transferred to other accounts	
24.4002	Unobligated balance available, end of year:	
40.0001	For completion of prior year budget plans	
	Budget authority (Appropriation)	996,780

Military Construction, Air Force  
 Program and Financing (in Thousands of dollars)      FISCAL YEAR 1994

Obligations

Identification code    57-3300-0-1-051

		1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
Direct program:					
00.0101 Major construction	553,007	259,126	69,459	27,152	
00.0201 Minor construction	7,551	1,004			
00.0301 Planning	29,464	7,666	7,666	2,555	
00.0401 Supporting activities		2,145	858	286	
00.9101 Total direct program	590,022	269,941	77,983	29,993	
10.0001 Total	590,022	269,941	77,983	29,993	

**Financing:**

Unobligated balance available, start of year:				
21.4002 For completion of prior year budget plans	-3,000	-409,758	-139,817	-61,834
22.0001 Unobligated balance transferred to other accounts				
24.4002 Unobligated balance available, end of year:				
For completion of prior year budget plans				
40.0001 Budget authority (Appropriation)	409,758	139,817	61,834	31,841
	996,780			

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1995

Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)

Identification code 57-3300-0-1-051

	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>				
Direct program:				
00.0101 Major construction		460,427		
00.0201 Minor construction		7,000		
00.0301 Planning		49,386		
00.9101 Total direct program			516,813	
01.0101 Reimbursable program		323		
10.0001 Total			517,136	

Financing:

    Offsetting collections from:

11.0001 Federal funds (-)	-323
21.4002 Unobligated balance available, start of year;	
24.4002 For completion of prior year budget plans	
40.0001 Budget authority (Appropriation)	516,813



Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1996

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			
Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
Direct program:					
00.0101	Major construction				455,790
00.0201	Minor construction				9,030
00.0301	Planning				30,835
00.9101	Total direct program				495,655
10.0001	Total				495,655
<b>Financing:</b>					
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				
24.4002	Unobligated balance available, end of year:				
For completion of prior year budget plans					
40.0001	Budget authority (Appropriation)				495,655

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1996**

		Obligations		
		1994 actual	1995 est.	1996 est.
Identification code		57-3300-0-1-051	1995 est.	1997 est.
<b>Program by activities:</b>				
00.0101	Direct program:	226,895	169,841	
00.0201	Major construction	4,515	2,709	
00.0301	Minor construction	16,418	9,851	
00.0303	Planning			
00.9101	Total direct program	247,828	182,401	
10.0001	Total	247,828	182,401	
<b>Financing:</b>				
21.4002	Unobligated balance available, start of year:		-247,827	
	For completion of prior year budget plans			
24.4002	Unobligated balance available, end of year:		65,426	
	For completion of prior year budget plans			
40.0001	Budget authority (Appropriation)		495,655	

Military Construction, Air Force  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1997

Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)

Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Program by activities:					
Direct program:					
00.0101	Major construction				437,207
00.0201	Minor construction				9,328
00.0301	Planning				32,417
00.9101	Total direct program				478,952
10.0001	Total				478,952
Financing:					
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				
40.0001	Budget authority (Appropriation)				478,952

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars)**      **FISCAL YEAR 1997**

**Obligations**

<b>Identification code</b>	<b>57-3300-0-1-051</b>	<b>1994 actual</b>	<b>1995 est.</b>	<b>1996 est.</b>	<b>1997 est.</b>
<b>Program by activities:</b>					
Direct program:					
00.0101	Major construction	215,603			
00.0201	Minor construction	4,664			
00.0301	Planning	19,209			
<b>00.9101</b>	<b>Total direct program</b>				<b>239,476</b>
<b>10.0001</b>	<b>Total</b>				<b>239,476</b>

**Financing:**

Unobligated balance available, end of year:

24.4002	For completion of prior year budget plans	239,476
40.0001	Budget authority (Appropriation)	478,952

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars) SUMMARY**

**Budget Plan (amounts for MILITARY  
CONSTRUCTION actions programmed)**

**Identification code 57-3300-0-1-051**

	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
Major construction	920,193	460,427	455,790	437,207
Minor construction	8,555	7,000	9,030	9,328
Planning	63,882	49,386	30,835	32,417
Supporting activities	7,150			
<b>00. 9101 Total direct program</b>	<b>999,780</b>	<b>516,813</b>	<b>495,655</b>	<b>478,952</b>
<b>01.0101 Reimbursable program</b>		323		
<b>10.0001 Total</b>	<b>999,780</b>	517,136	495,655	478,952
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
Federal funds (-)			-323	
Recovery of prior year obligations				
Unobligated balance available, start of year:				
For completion of prior year budget plans		-30,095		
Available to finance new budget plans		-48,191		
Reprogramming from/to prior year budget plans		22,120		
Unobligated balance transferred to other accounts				
Unobligated balance available, end of year:				
For completion of prior year budget plans		3,029		
Available to finance subsequent year budget plans		20,042		
Unobligated balance expiring				
Budget authority		966,685	513,784	495,655
<b>39.0001 Budget authority:</b>				
Appropriation	966,685	516,813	495,655	478,952
Reduction pursuant to P.L. 103-307 (-)		-3,029		
<b>40.0001 Appropriation (adjusted)</b>	<b>966,685</b>	<b>513,784</b>	<b>495,655</b>	<b>478,952</b>
<b>Relation of obligations to outlays:</b>				
<b>71.0001 Obligations incurred</b>				
72.1001 Receivables from other government acccts. SOY				
72.4001 Obligated balance, start of year				
74.1001 Receivables from other government acccts. EOY				
74.4001 Obligated balance, end of year				
77.0001 Adjustments in expired accounts (net)				
78.0001 Adjustments in unexpired accounts				
<b>90.0001 Outlays (net)</b>				

**Military Construction, Air Force  
Program and Financing (in Thousands of dollars) SUMMARY**

		Obligations		
Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.
<b>Program by activities:</b>				
Direct program:				
Major construction	1,073,575	708,536	571,822	450,325
Minor construction	17,126	6,668	6,615	8,213
Planning	72,986	42,182	36,677	39,625
Supporting activities	7,098	7,338	1,923	286
	-----	-----	-----	-----
Total direct program	1,170,785	764,724	617,037	498,449
Reimbursable program				
	-----	-----	323	-----
Total	1,170,785	765,047	617,037	498,449
<b>Financing:</b>				
Offsetting collections from:				
Federal funds (-)		-323		
Recovery of prior year obligations	-6,895			
Unobligated balance available, start of year:				
For completion of prior year budget plans	-958,518	-746,218	-498,307	-376,925
Available to finance new budget plans	-30,095	-3,029		
Reprogramming from/to prior year budget plans				
22,120				
Unobligated balance transferred to other accounts				
Unobligated balance available, end of year:				
For completion of prior year budget plans	746,218	498,307	376,925	357,428
Available to finance subsequent year budget plans	3,029			
20,042				
Unobligated balance expiring				
	-----	-----	-----	-----
Budget authority				
Budget authority:				
Appropriation	966,685	513,784	495,655	478,952
Reduction pursuant to P.L. 103-307 (-)				
	-----	-----	-----	-----
Appropriation (adjusted)				
	-----	-----	-----	-----
Relation of obligations to outlays:				
Obligations incurred	1,170,785	764,724	617,037	498,449
Receivables from other government accts. SOY	-723	-707		
Obligated balance, start of year	979,575	1,190,861	1,102,143	978,894
Receivables from other government accts., EOV	707			
Obligated balance, end of year	-1,190,861	-1,102,143	-978,894	-849,541
Adjustments in expired accounts (net)	-2,134	-6,895		
Adjustments in unexpired accounts				
	-----	-----	-----	-----
Outlays (net)				
90.0001	950,454	852,735	740,286	627,802

33 R

**Military Construction, Air Force  
Object Classification (in Thousands of dollars)**

SUMMARY

		1994 actual	1995 est.	1996 est.	1997 est.
<b>Identification code</b>	<b>57-3300-0-1-051</b>				
<b>Direct obligations:</b>					
132.001 Land and structures	1,170,785	764,724	617,037	498,449	
<b>199.001 Total Direct obligations</b>	<b>1,170,785</b>	<b>764,724</b>	<b>617,037</b>	<b>498,449</b>	
<b>Reimbursable obligations:</b>					
232.001 Land and structures	-	-	323	-	
<b>299.001 Total Reimbursable obligations</b>	<b>-</b>	<b>-</b>	<b>323</b>	<b>-</b>	
<b>999.901 Total obligations</b>	<b>1,170,785</b>	<b>765,047</b>	<b>617,037</b>	<b>498,449</b>	
Obligations are distributed as follows:					
Defense-Military:Army	962,076	567,057	476,069	398,631	
Defense-Military:Navy	104,062	84,549	71,433	59,720	
Defense-Military:Air Force	97,548	106,103	67,612	39,812	
Department of Transportation	7,099	7,338	1,923	286	
<b>Total Obligations</b>	<b>1,170,785</b>	<b>765,047</b>	<b>617,037</b>	<b>498,449</b>	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.74			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	1312	2835	2320	1656	360		98	622	420	10,623
b. End FY 2000	1223	2597	2239	1732	360		98	622	420	10,291
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,896)										
b. Inventory Total As Of: (30 SEP 94)									308,448	
c. Authorization Not Yet In Inventory:									36,470	
d. Authorization Requested In This Program:									3,700	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									34,600	
g. Remaining Deficiency:									65,800	
h. Grand Total:									449,018	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)	DESIGN	STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>START</u>	<u>CMPL</u>				
740-884	CHILD DEVELOPMENT CENTER COMPLEX			33,800 SF	3,700	JUN 94	JUL 95			
				TOTAL:	3,700					
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
113-321	REPAIR APRONS			LS	4,000					
610-284	RENOVATE MAJOR COMMAND HEADQUARTERS			71,804 SF	5,500					
724-417	ADD TO AND ALTER VISITING OFFICERS QUARTERS			16 PN	3,500					
724-417	ALTER DORMITORY			82 PN	3,600					
832-266	UPGRADE SANITARY AND STORM SEWER SYSTEMS			35,000 LF	5,500					
10. Mission or Major Functions: Headquarters Air University; Air War College; Air Command and Staff College; Squadron Officer School; Officer Training School; College for Aerospace Doctrine, Research, and Education; Air Force Quality Institute; Ira C Eaker College for Professional Development; Air Force Historical Research Agency; Headquarters Air Force Reserve Officer Training Corps; Headquarters Civil Air Patrol; Community College of the Air Force; an air base wing with C-21 aircraft; and an Air Force Reserve airlift wing with one C-130 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER COMPLEX		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 740-884	7. PROJECT NUMBER PNQS943075	8. PROJECT COST (\$000) 3,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER COMPLEX	SF	33,800		2,674
CHILD DEVELOPMENT CENTER	SF	20,200	92	(1,858)
CHILD DEVELOPMENT CENTER ALTERATION	SF	13,600	60	( 816)
SUPPORTING FACILITIES				640
UTILITIES	LS			( 250)
PAVEMENTS	LS			( 125)
SITE IMPROVEMENTS	LS			( 140)
EMCS/COMMUNICATIONS	LS			( 125)
<u>SUBTOTAL</u>				3,314
CONTINGENCY (5%)				166
TOTAL CONTRACT COST				3,480
SUPERVISION, INSPECTION AND OVERHEAD (6%)				209
TOTAL REQUEST				3,689
TOTAL REQUEST (ROUNDED)				3,700
10. Description of Proposed Construction: Alter existing child development center facility and construct a new child development center facility. New facility with concrete foundation, masonry walls, structural steel frame, and roof system. Includes utilities, pavements, Energy Monitoring Control System (EMCS), site improvements, and all necessary support.				
Air Conditioning: 200 Tons.				
11. REQUIREMENT: 36,078 SF ADEQUATE: 2,328 SF SUBSTANDARD: 14,606 SF <u>PROJECT:</u> Alter existing child development center and construct a new child development center. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. These facility requirements are in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 427 dependent children. A properly sized and functionally configured child development center complex is required to provide supervised care and development experience for children ages six weeks through twelve years, including all preschool activities. Multiple facilities are required to comply with the DoD directive establishing the maximum number of children a single facility can support. Adequate child care facilities must be provided to accommodate the special requirements placed on military families and single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early developmental care for children.				
<u>CURRENT SITUATION:</u> Presently, two child development centers exist capable of supporting a total of 147 children. A small satellite facility supporting 27 children is in adequate condition and will continue to be				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER COMPLEX	5. PROJECT NUMBER PNQS943075	
<p>used. The other facility accommodates a maximum of 120 children. Daily attendance at this center averages 120, or 100%. At the present time, 80 children are on the waiting list. The actual number of children not being accommodated is higher because many parents do not bother placing their children on the list once they learn the required waiting period. One hundred forty preschool children cannot be supported because their facility was demolished after a DoD inspection declared it unusable. This project will result in a child development center complex which will serve a total of 400 children. The existing facility is too small and poorly arranged for safe and effective child development support. Storage space is inadequate and layout is poor. Room sizes are too large to meet the required adult-to-child ratio. The existing facility has health and safety hazards because toddlers cannot be closely supervised. Further, a larger and better equipped kitchen along with additional bathroom facilities are needed to properly care for infants and toddlers. The facility is currently filled to capacity with 120 children between the ages of six weeks and five years. Homecare is at maximum usage. Off-base day care facilities are limited and normally twice as expensive as on-base facilities placing a financial hardship on junior enlisted personnel. Further, many young families are stationed at Maxwell for short periods, one year or less. This is typically insufficient time to move to the top of waiting lists for community facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian workforce. Personnel will be forced to find alternate, more expensive, and unaccredited child care services off the installation. The inability to provide safe and worry-free child care and preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction, add to and alter, and status quo operation. Based on the present value and benefits of the respective alternatives, add to and alter was found to be the most cost efficient over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE  CHILD DEVELOPMENT CENTER COMPLEX	5. PROJECT NUMBER  PNQS943075	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 17	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 15	
(e) Date Design Complete	95 JUL 28	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	200	
(b) All Other Design Costs	145	
(c) Total	345	
(d) Contract	239	
(e) In-house	106	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION <b>EIELSON AIR FORCE BASE, ALASKA</b>			4. COMMAND <b>PACIFIC AIR FORCES</b>				5. AREA CONST COST INDEX <b>1.97</b>		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 94	303	2760	503						3,566
b. End FY 2000	301	2705	492						3,498
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 19,945)									
b. Inventory Total As Of: (30 SEP 94)	464,815								
c. Authorization Not Yet In Inventory:	13,300								
d. Authorization Requested In This Program:	3,850								
e. Authorization Included In Following Program: (FY 1997)	5,473								
f. Planned In Next Four Program Years:	1,400								
g. Remaining Deficiency:	280,181								
h. Grand Total:	769,019								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY <u>CODE</u>		<u>PROJECT TITLE</u>		<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN</u>	<u>STATUS</u>		
721-312 ALTER DORMITORY				46 PN	3,850	JUN 94	APR 96		
				TOTAL:	3,850				
9a. Future Projects: Included in the Following Program (FY 1997)									
216-642 CONVENTIONAL MUNITIONS MAINTENANCE SHOP				6,200 SF	3,300				
890-185 REPAIR UTILIDOR PIPE				1,550 LF	2,173				
				TOTAL:	5,473				
9b. Future Projects: Typical Planned Next Four Years:									
880-232 UPGRADE FIRE SUPPRESSION SYSTEMS				58,906 SF	600				
880-232 UPGRADE NOSEDOCK FIRE SUPPRESSION SYSTEM				26,302 SF	800				
10. Mission or Major Functions: A fighter wing with one F-16 and one A/OA-10 squadron, and a fighter training squadron responsible for Cope Thunder exercises; an Air Education and Training Command group that conducts Arctic Survival School; and an Air National Guard KC-135 air refueling detachment.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:		0							
b. Water pollution:		2,700							
c. Occupational safety and health:		0							
d. Other Environmental:		2,800							

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		4. PROJECT TITLE ALTER DORMITORY		
5. PROGRAM ELEMENT 2.75.96P	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FTQW963008	8. PROJECT COST (\$000) 3,850	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORY (46 PN)				3,302
ALTERATION	SF	32,700	99	(3,237)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	(65)
<b>SUBTOTAL</b>				3,302
CONTINGENCY (10%)				330
TOTAL CONTRACT COST				3,632
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				236
TOTAL REQUEST				3,868
TOTAL REQUEST (ROUNDED)				3,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(172)
<b>10. Description of Proposed Construction:</b> Demolish interior walls, finishes, and utilities. Alters existing three-story facility to provide new room-bath-room configuration; includes electrical, structural, and mechanical alterations, entrance lobby, lounge, laundry, basement storage area, and kitchen. Replace windows, minor exterior refinishing, and all other necessary support. Grade Mix: 25 E5-E6; 21 E7-E9.				
<b>11. REQUIREMENT:</b> As required. <b>PROJECT:</b> Alter dormitory. (Current Mission) <b>REQUIREMENT:</b> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide both privacy and sufficient community areas are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 46 personnel: 25 E5-E6 and 21 E7-E9, with a maximum utilization of 92 personnel. <b>CURRENT SITUATION:</b> The facility to be altered was constructed in 1953 and the last renovation was in 1980. The floor plan includes both private and semi-private bathrooms, but none of the rooms meet space requirements as specified in Military Handbook 1190, "Facility Planning and Design Guide". Lighting is inadequate, rooms are poorly ventilated during summer months, and the windows are energy inefficient. Awkward floor plans have no storage within the rooms and there is no central storage. Asbestos-containing materials can be found in piping insulation, floor tiles, and concrete asbestos wall board. The dormitory occupancy rate				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>EIELSON AIR FORCE BASE, ALASKA</b>		
4. PROJECT TITLE <b>ALTER DORMITORY</b>	5. PROJECT NUMBER <b>FTQW963008</b>	
<p>exceeds 96 percent. E-6 and above are authorized to live off-base due to inadequate dormitory space; however, off-base properties are distant and in limited supply, as documented in the recent Housing Market Analysis.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will continue to degrade the morale, productivity, and career satisfaction of the enlisted force. Demand for acceptable off-base quarters will continue to exceed availability. Quarters allowance alone will exceed \$364,000 per year to house airmen off-base.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. This project is part of a comprehensive program to upgrade all dormitories within a single, centrally-serviced area. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing, and status quo. Based on the present value and benefits of the respective alternatives, revitalization was found to be the most cost-effective over the life of the project. This is a candidate project for a Comprehensive Interior Design (CID) package. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection systems for this project is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION			
EIELSON AIR FORCE BASE, ALASKA			
4. PROJECT TITLE ALTER DORMITORY	5. PROJECT NUMBER FTQW963008		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	94 JUN 01		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	94 DEC 30		
(e) Date Design Complete	96 APR 01		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	222		
(b) All Other Design Costs	125		
(c) Total	347		
(d) Contract			
(e) In-house	347		
(4) Construction Start 96 JUN			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
DORMITORY EQUIPMENT	3080	1996	172

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA			4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 1.73			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED		TOTAL		
	OFF	ENL	CIV	OFF	ENL	CIV				
a. As of 30 SEP 94	858	6028	1047				82	172	535	8,722
b. End FY 2000	874	6268	967				82	172	535	8,898
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 13,119)									489,506	
b. Inventory Total As Of: (30 SEP 94)									59,955	
c. Authorization Not Yet In Inventory:									9,100	
d. Authorization Requested In This Program:									16,600	
e. Authorization Included In Following Program: (FY 1997)									36,499	
f. Planned In Next Four Program Years:									239,912	
g. Remaining Deficiency:									851,572	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
112-211	REPAIR AIRFIELD TAXIWAY	24,800 SY	900	MAY 94	AUG 95					
131-132	MILSTAR COMMUNICATIONS GROUND TERMINAL	600 SF	850	JUN 93	JUL 95					
724-417	VISITING OFFICERS QUARTERS	80 PN	7,350	APR 94	SEP 95					
		TOTAL:	9,100							
9a. Future Projects: Included in the Following Program (FY 1997)										
141-753	ADAL SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	51,000 SF	14,500							
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	2,100							
		TOTAL:	16,600							
9b. Future Projects: Typical Planned Next Four Years:										
112-211	WIDEN TAXIWAY	14,000 SY	1,500							
121-111	POL OPERATIONS/VEHICLE PARKING	5,200 SF	2,100							
121-122	REPLACE HYDRANT FUELING SYSTEM PHASE II	LS	20,899							
141-181	AIRCRAFT WEATHER SHELTERS PHII	6 EA	12,000							
10. Mission or Major Functions: Headquarters Alaskan Command; Alaska NORAD Region Headquarters, Headquarters 11th Air Force; a wing with two F-15C/D squadrons, one F-15E squadron, an air control squadron (E-3 aircraft), and an airlift squadron (C-12 and C-130 aircraft). Other major activities include an Air Force Air Intelligency Agency intelligence squadron and a USAF medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									9,100	
c. Occupational safety and health:									0	
d. Other Environmental:									2,000	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE VISITING OFFICERS QUARTERS		
5. PROGRAM ELEMENT 2.75.96P	6. CATEGORY CODE 724-417	7. PROJECT NUMBER FXSB963001	8. PROJECT COST (\$000) 7,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
VISITING OFFICERS QUARTERS (80 PN)				6,156
VISITING OFFICERS QUARTERS	SF	38,000	160	(6,080)
AUTOMATIC SPRINKLER PROTECTION	SF	38,000	2	( 76)
SUPPORTING FACILITIES				420
UTILITIES	LS			( 90)
SITE IMPROVEMENTS	LS			( 20)
PAVEMENTS	LS			( 170)
COMMUNICATIONS SUPPORT	LS			( 140)
SUBTOTAL				6,576
CONTINGENCY (5%)				329
TOTAL CONTRACT COST				6,905
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				449
TOTAL REQUEST				7,354
TOTAL REQUEST (ROUNDED)				7,350
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(500)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and roof system. Includes interior entrances to room, laundry area, connection to the central heat plant, water, sewer, and electric. Provide adequate parking, exterior lighting, interior fire protection, television and telephone connections in each room, and all necessary support.

Grade Mix: 80 01-03.

11. REQUIREMENT: 174 PN ADEQUATE: 94 PN SUBSTANDARD: 0  
PROJECT: Construct a visiting officers quarters (VOQ). (Current Mission)  
REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Aircrew and maintenance officers deployed for Exercise Cope Thunder and routine transient officers require housing that will ensure proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide individual privacy are essential to assure the successful accomplishment of the increasingly complicated jobs these people must perform.  
CURRENT SITUATION: There is a severe shortage of visiting officers quarters at Elmendorf AFB during Cope Thunder exercises. In 1992, the VOQ occupancy rate routinely exceeded 100% occupancy during Cope Thunder exercises. Due to the severe Alaskan winters, Cope Thunder exercises are scheduled during the spring, summer, and fall months. This schedule coincides with the peak of the Alaskan tourist season. Hotels in the Anchorage area are reserved to capacity months in advance. As a result, officers participating in the exercises are doubled up in rooms designed for single occupancy, while other transient officers and permanently assigned officers arriving or departing Elmendorf AFB are issued non-availability statements. Elmendorf has been unable to obtain contract

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE VISITING OFFICERS QUARTERS	5. PROJECT NUMBER FXSB963001	

quarters. Local hotels are unwilling to reserve rooms at Government rates due to the heavy tourist influx. Often, even with non-availability statements, transient officers are unable to find rooms at any price. It is not uncommon to find these people sleeping in their automobiles or VOQ office lobbies because no suitable rooms are available off-base. Elmendorf's VOQ shortage has been further compounded by the addition of a new fighter squadron in 1991. The number of Cope Thunder participants is limited by the lack of VOQ space.

IMPACT IF NOT PROVIDED: Insufficient on-base billeting space will continue to force officer aircrew members to share rooms designed for single occupancy. This situation will degrade aircrew rest schedules and decrease the morale and proficiency of exercise participants. Other visiting officers will continue to be issued non-availability statements to search for off-base quarters at rates of over \$100 per night during the peak tourist season.

ADDITIONAL: This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this project. A preliminary analysis of reasonable options for accomplishing this project (new construction, revitalization, and status quo) was done. It indicates there is only one option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION <b>ELMENDORF AIR FORCE BASE, ALASKA</b>			
4. PROJECT TITLE VISITING OFFICERS QUARTERS	5. PROJECT NUMBER <b>FXSB963001</b>		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	94 APR 25		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	94 DEC 15		
(e) Date Design Complete	95 SEP 15		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	440		
(b) All Other Design Costs	374		
(c) Total	814		
(d) Contract	814		
(e) In-house	814		
(4) Construction Start 96 FEB			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
VOQ FURNITURE	3400	1997	500

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>TIN CITY LONG RANGE RADAR SITE, ALASKA</b>			4. COMMAND <b>PACIFIC AIR FORCES</b>				5. AREA CONST COST INDEX <b>1.85</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94										
b. End FY 2000										
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 723)										
b. Inventory Total As Of: (30 SEP 94)									13,801	
c. Authorization Not Yet In Inventory:									0	
d. Authorization Requested In This Program:									2,500	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									0	
g. Remaining Deficiency:									0	
h. Grand Total:									16,301	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL				
411-134 ABOVEGROUND FUEL STORAGE TANKS			13 EA	2,500	JUN 94	OCT 95				
TOTAL: 2,500										
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: A long range radar site.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TIN CITY LONG RANGE RADAR SITE, ALASKA		4. PROJECT TITLE ABOVEGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 2.74.56P	6. CATEGORY CODE 411-134	7. PROJECT NUMBER WWXD933027	8. PROJECT COST (\$000) 2,500	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ABOVEGROUND FUEL STORAGE TANKS	EA	13		1,839	
ABOVEGROUND STORAGE TANKS	EA	11	144,450	(1,589)	
TANK REMOVAL/DISPOSAL	EA	2	125,000	(250)	
SUPPORTING FACILITIES				315	
UTILITIES	LS			(195)	
SOIL REMEDIATION	LS			(75)	
SITE IMPROVEMENTS	LS			(45)	
SUBTOTAL				2,154	
CONTINGENCY (10%)				215	
TOTAL CONTRACT COST				2,369	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				154	
TOTAL REQUEST				2,523	
TOTAL REQUEST (ROUNDED)				2,500	

10. Description of Proposed Construction: Remove two aboveground storage tanks (ASTs); relocate bulk storage area and install eleven 30,000 gallon ASTs. Downsize total fuel storage capacity below 10,000 barrels. Includes tank removal and disposal, new piping, site work, utilities, soil remediation, and all necessary support work.

11. REQUIREMENT: As required.

PROJECT: Remove and replace aboveground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. Upgrade of ASTs regulated by 18 Alaska Administrative Code 75 is required by January 1997. The state has set standards that require all regulated tanks to have a leak detection system, cathodic protection, liner, overfill protection, and secondary containment. Alaska Statute Title 46 requires oil terminal facilities with noncrude oil storage capacities greater than 10,000 barrels to have a plan, the necessary personnel, and equipment to control and clean up a discharge equal to the capacity of the largest oil tank within 72 hours. This project removes and disposes of two 492,000 gallon tanks and associated piping; installs eleven 30,000 gallon self-contained tanks at the new bulk fuel storage area. New pipe must be installed to meet new storage configuration and to replace deteriorating lines.

CURRENT SITUATION: Two 492,000 gallon storage tanks are located on a 250 foot plateau overlooking the Bering Straits. The tanks have no leak detection, overfill protection, or cathodic protection. Most of the fuel lines are underground with no cathodic protection. The location of the tanks poses a serious environmental problem. Should a leak or spill occur, it could go undetected causing catastrophic environmental damage.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TIN CITY LONG RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE ABOVEGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER WWXD933027	
<p>Each tank individually exceeds 10,000 barrels, triggering greater contingency response requirements. Minimal site manning and extreme arctic weather make it impossible to meet strict state requirements for inspection and contingency response.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this project, the potential for environmental contamination will remain high in the event of a leak or spill. After January 1997, the Air Force will be subject to monetary penalties, and litigation could result in forced compliance and remediation. Unless the total storage capacity is reduced below 10,000 barrels, the site will be unable to meet strict contingency response requirements; further, additional on-site personnel would be required at an estimated annual cost of over \$400,000, subject to state approval.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, repair, and replacement construction) was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TIN CITY LONG RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE ABOVEGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER WWXD933027	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 30	
(e) Date Design Complete	95 OCT 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	120	
(b) All Other Design Costs	135	
(c) Total	255	
(d) Contract		
(e) In-house	255	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.96				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED				
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		831	4813	1440				10	40	400	7,534
b. End FY 2000		875	4987	1278				10	40	400	7,590
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 10,615) b. Inventory Total As Of: (30 SEP 94) 281,217 c. Authorization Not Yet In Inventory: 13,750 d. Authorization Requested In This Program: 4,800 e. Authorization Included In Following Program: (FY 1997) 4,500 f. Planned In Next Four Program Years: 6,719 g. Remaining Deficiency: 37,485 h. Grand Total: 348,471											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
211-159		ALTER AIRCRAFT CORROSION CONTROL FACILITY			18,650 SF	1,000	JUN 94	JUL 95			
721-312		DORMITORY			88 PN	3,800	JUN 94	JUL 95			
					TOTAL:	4,800					
9a. Future Projects: Included in the Following Program (FY 1997)											
211-175		AIRCRAFT MAINTENANCE FACILITY			26,000 SF	4,500					
					TOTAL:	4,500					
9b. Future Projects: Typical Planned Next Four Years:											
211-159		CORROSION CONTROL FACILITY			15,400 SF	2,700					
216-642		ADD TO AND ALTER CONVENTIONAL MUNITIONS SHOP			8,100 SF	647					
441-628		SUPPLIES & EQUIP SHED DEPOT			9,000 SF	872					
880-232		FOAM FIRE SYSTEM			136,435 SF	2,500					
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA 10 aircrews, one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense detachment (F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Center.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 1,500 b. Water pollution: 5,490 c. Occupational safety and health: 0 d. Other Environmental: 0											

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.74.19	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FBNV953009	8. PROJECT COST (\$000) 3,800	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (88 PN)	LS			2,870
DORMITORY	SF	31,200	90	(2,808)
AUTOMATIC SPRINKLER SYSTEM	SF	31,200	2	( 62)
SUPPORTING FACILITIES				560
UTILITIES	LS			( 265)
PAVEMENTS	LS			( 140)
SITE IMPROVEMENTS	LS			( 155)
SUBTOTAL				3,430
CONTINGENCY (5%)				172
TOTAL CONTRACT COST				3,602
SUPERVISION, INSPECTION AND OVERHEAD (6%)				216
TOTAL REQUEST				3,818
TOTAL REQUEST (ROUNDED)				3,800

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Construct exterior site improvements to include lighting, recreation area with shelter, volleyball court.

Air Conditioning: 150 Tons. Grade Mix: 88 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The dormitory is needed to support the new mission beddown of EC-130s which arrived July 1994. Estimated intended utilization is 88 personnel: 88 E1-E4, with a maximum utilization of 88 personnel.

CURRENT SITUATION: The base has insufficient facilities to accommodate the increased requirement for unaccompanied enlisted personnel housing. This requirement is a direct result of the increase in manpower resulting from the beddown of the new wing. Local off-base rentals and the cost of utilities are too expensive for junior enlisted personnel.

IMPACT IF NOT PROVIDED: A sufficient number of on-base living quarters will not be available to meet the housing requirement for unaccompanied enlisted personnel. Personnel will be forced to live off-base which will result in a higher cost for housing. This condition will continue to contribute to low morale, reduced productivity, and dissatisfaction with

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER FBNV953009	
<p>Air Force life for unaccompanied enlisted personnel.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>DAVIS-MONTHAN AIR FORCE BASE, ARIZONA</b>		
4. PROJECT TITLE <b>DORMITORY</b>	5. PROJECT NUMBER	<b>FBNV953009</b>

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	94 JUN 01
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 AUG 30
(e) Date Design Complete	95 JUL 30

(2) Basis:

(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	DAVIS-MO

(3) Total Cost (c) = (a) + (b) or (d) + (e):

(a) Production of Plans and Specifications	(\$000) 228
(b) All Other Design Costs	114
(c) Total	342
(d) Contract	228
(e) In-house	114

(4) Construction Start 96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 1.00			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	647	5039	1147	169			1	40	140	7,183
b. End FY 2000	583	4439	1070	169			1	40	140	6,442
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 7,249)	264,806									
b. Inventory Total As Of: (30 SEP 94)	21,100									
c. Authorization Not Yet In Inventory:	5,200									
d. Authorization Requested In This Program:	0									
e. Authorization Included In Following Program: (FY 1997)	4,400									
f. Planned In Next Four Program Years:	23,500									
g. Remaining Deficiency:	319,006									
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST		DESIGN STATUS					
			<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>					
721-312 DORMITORY		108 PN	5,200	AUG 93	MAY 95					
		TOTAL:	5,200							
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
442-758 ADD TO BASE SUPPLY WAREHOUSE		15,000 SF	1,200							
740-675 RECREATION LIBRARY		28,000 SF	3,200							
10. Mission or Major Functions: A fighter wing with six F-16 squadrons responsible for training all F-16 aircrews; an F-16 fighter training squadron that conducts training for Singapore Air Force aircrews; an Air Combat Command air control squadron; and an Air Force Reserve fighter group with one F-16 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.75.97	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NUEX933014	8. PROJECT COST (\$000) 5,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (108 PN)				4,099
DORMITORY	SF	38,300	105	(4,022)
AUTOMATIC SPRINKLER PROTECTION	SF	38,300	2	( 77)
SUPPORTING FACILITIES				550
UTILITIES	LS			( 175)
PAVEMENTS	LS			( 175)
SITE IMPROVEMENTS	LS			( 200)
SUBTOTAL				4,649
CONTINGENCY (5%)				232
TOTAL CONTRACT COST				4,881
SUPERVISION, INSPECTION AND OVERHEAD (6%)				293
TOTAL REQUEST				5,174
TOTAL REQUEST (ROUNDED)				5,200
10. Description of Proposed Construction: Masonry walls, concrete foundation and floor slab, structural frame and metal roof system. Includes room-bath-room modules, day rooms, linen storage, mechanical equipment room, communications, fire protection, utilities, parking, and all other necessary support.				
Air Conditioning: 50 Tons. Grade Mix: 108 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a dormitory. (New Mission)				
<u>REQUIREMENT:</u> A dormitory is required to house additional unaccompanied enlisted personnel associated with the beddown of two additional F-16 squadrons at Luke AFB. A major Air Force objective is to provide unaccompanied enlisted personnel with on-base housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.				
<u>CURRENT SITUATION:</u> The base does not have sufficient housing facilities to accommodate the unaccompanied enlisted personnel increase resulting from the beddown of two additional F-16 aircraft squadrons (48 aircraft) at Luke AFB. These aircraft are scheduled to be on station in second quarter of FY95. Many of the personnel who qualify for on-base unaccompanied housing are forced to live off base. The cost of off-base housing and commuting make living off base too expensive for many junior enlisted personnel. For many airmen, this is their first assignment. They have no experience managing a household and require the support				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LUKE AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER NUEX933014	
<p>networks inherent with on-base dormitories.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Unaccompanied enlisted personnel will be forced to live off-base. An annual cost of \$1,315,094 million for off-base housing will be incurred. Personnel will not be able to afford off-base housing that meets Air Force standards and will incur additional commuting costs. Personnel will be forced to live in substandard housing degrading the morale, productivity, and career satisfaction of the enlisted force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing alternatives of direct compensation and new construction. Based on the present value of benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LUKE AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	NUEX933014

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 93 AUG 31
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 95 JAN 20
  - (e) Date Design Complete 95 MAY 31
- (2) Basis:
  - (a) Standard or Definitive Design - YES
  - (b) Where Design Was Most Recently Used - LUKE
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 307
  - (b) All Other Design Costs 160
  - (c) Total 467
  - (d) Contract 285
  - (e) In-house 182
- (4) Construction Start 96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS			4. COMMAND AIR COMBAT COMMAND					5. AREA CONST COST INDEX 0.80		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	665	3675	642				1	17	50	5,050
b. End FY 2000	704	3601	532				1	17	50	4,905
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 7,210)										
b. Inventory Total As Of: (30 SEP 94)									191,681	
c. Authorization Not Yet In Inventory:									8,050	
d. Authorization Requested In This Program:									2,500	
e. Authorization Included In Following Program: (FY 1997)									16,400	
f. Planned In Next Four Program Years:									8,620	
g. Remaining Deficiency:									15,000	
h. Grand Total:									242,251	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> (\$000)	COST		DESIGN STATUS					
			START	CMPL						
832-266	UPGRADE SANITARY SEWER SYSTEM	57,130 LF	2,500	JUN 94	SEP 95					
		TOTAL:	2,500							
9a.	Future Projects: Included in the Following Program (FY 1997)									
141-753	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	94,000 SF	12,800							
149-962	CONTROL TOWER	LS	2,400							
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES	LS	1,200							
		TOTAL:	16,400							
9b.	Future Projects: Typical Planned Next Four Years:									
130-841	SECURITY POLICE CANINE KENNEL	LS	440							
214-000	VEHICLE REFUELING SHOP	4,200 SF	860							
740-674	ADD TO AND ALTER PHYSICAL FITNESS CENTER	54,000 SF	6,400							
843-314	FIRE PROTECTION WATER MAINS	LS	920							
10.	Mission or Major Functions: An airlift wing with four C-130 squadrons, one of which conducts C-130 training for all DoD components and foreign countries; an Air National Guard airlift group with one C-130 squadron; and the USAF Combat Aerial Delivery School.									
11.	Outstanding pollution and safety (OSH) deficiencies:									
a.	Air pollution:		1,500							
b.	Water pollution:		3,690							
c.	Occupational safety and health:		0							
d.	Other Environmental:		0							

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		4. PROJECT TITLE UPGRADE SANITARY SEWER SYSTEM		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 832-266	7. PROJECT NUMBER NKAK963011	8. PROJECT COST (\$000) 2,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE SANITARY SEWER SYSTEM	LS			2,014
SANITARY SEWER LINES	LF	29,000	49	(1,421)
SLIP LINE SANITARY SEWER	LF	6,000	39	( 234)
REPAIR MANHOLES	EA	233	1,540	( 359)
SUPPORTING FACILITIES				150
SITE WORK	LS			( 150)
SUBTOTAL				2,164
CONTINGENCY (10%)				216
TOTAL CONTRACT COST				2,380
SUPERVISION, INSPECTION AND OVERHEAD (6%)				143
TOTAL REQUEST				2,523
TOTAL REQUEST (ROUNDED)				2,500
10. Description of Proposed Construction: Replace deteriorated sections of existing sewer lines and slip line as required; eliminate cross-connections between sanitary sewer and storm drainage; replace/repair degraded manholes; sitework to include pavement replacement of roads, parking lots, sidewalks and landscaping; dewatering, shoring and other necessary support.				
<u>11. REQUIREMENT:</u> 57,130 LF ADEQUATE: 28,565 LF SUBSTANDARD: 28,565 LF <u>PROJECT:</u> Upgrade existing sanitary sewer system. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. Currently, Little Rock AFB cannot comply with the Clean Water Act (CWA) under 40 Code of Federal Regulations (CFR) 403 for pretreatment of permitted discharges and under 40 CFR 122 for direct National Pollution Discharge Elimination System (NPDES) discharges. The Industrial Wastewater Discharge Permit issued by the City of Jacksonville Wastewater Utility prohibits discharge of untreated sewage to "waters of the state". Repair of sanitary sewer mains is required to maintain structural integrity of the sewer system for dependable transfer of the wastewater from the source to the treatment facility. <u>CURRENT SITUATION:</u> Permit violations have been documented regarding excessive infiltration/inflow of wastewater discharge. During excessive rainfall, sewer discharge increases threefold. Periodically, line failure releases untreated sewage to area surface streams violating the NPDES permit and CWA. In 1993, the base sent several notices to the State reporting infiltration/inflow related system surges and releases due to line failures. The base received a Notice of Violation (NOV) from EPA due to releases of untreated wastewater to surface waters on 21 July 1992. <u>IMPACT IF NOT PROVIDED:</u> The base will continue to receive Notices of				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>LITTLE ROCK AIR FORCE BASE, ARKANSAS</b>		
4. PROJECT TITLE  <b>UPGRADE SANITARY SEWER SYSTEM</b>	5. PROJECT NUMBER  <b>NKAK963011</b>	
<p>Violations (NOVs) due to non-compliance with CWA requirements. Fines and penalties up to \$25,000 per day may be levied against Little Rock AFB in conjunction with NOVs.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known effective options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE  UPGRADE SANITARY SEWER SYSTEM	5. PROJECT NUMBER	NKAK963011
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 22	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	95 JAN 01	
(e) Date Design Complete	95 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	150	
(b) All Other Design Costs	50	
(c) Total	200	
(d) Contract	150	
(e) In-house	50	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.24			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	392	2750	435				1	18	137	3,733
b. End FY 2000	401	2927	567				1	18	137	4,051
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 22,944)										
b. Inventory Total As Of: (30 SEP 94)	190,315									
c. Authorization Not Yet In Inventory:	26,950									
d. Authorization Requested In This Program:	7,500									
e. Authorization Included In Following Program: (FY 1997)	13,500									
f. Planned In Next Four Program Years:	19,050									
g. Remaining Deficiency:	26,814									
h. Grand Total:	284,129									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
911-146 LANDFILL CLOSURE				83 AC	7,500	JUN 94	JUL 95			
				TOTAL:	7,500					
9a. Future Projects: Included in the Following Program (FY 1997)										
141-454 DEPLOYABLE GROUND STATION SUPPORT FACILITY				53,700 SF	7,000					
831-155 INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES				LS	1,500					
911-146 LANDFILL CLOSURE				27 AC	5,000					
				TOTAL:	13,500					
9b. Future Projects: Typical Planned Next Four Years:										
130-142 FIRE/CRASH RESCUE STATION				5,000 SF	1,200					
214-425 VEHICLE OPERATIONS AND MAINTENANCE				38,000 SF	5,100					
610-128 ADD TO MILITARY PERSONNEL SUPPORT CENTER				15,000 SF	3,050					
610-249 WING HEADQUARTERS				17,000 SF	4,700					
831-155 INDUSTRIAL WASTEWATER TREATMENT FACILITIES				LS	5,000					
10. Mission or Major Functions: A flying wing which includes two U-2 reconnaissance squadrons one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); and an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (Pave PAWS) radars.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	1,500									
b. Water pollution:	6,690									
c. Occupational safety and health:	0									
d. Other Environmental:	5,000									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE LANDFILL CLOSURE		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 911-146	7. PROJECT NUMBER BAEY951004	8. PROJECT COST (\$000) 7,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
LANDFILL CLOSURE	AC	56	87,980	4,927
SUPPORTING FACILITIES				1,500
REVEGETATION	LS			( 205)
GAS MONITORING AND CONTROL	LS			( 135)
GROUNDWATER MONITORING	LS			( 120)
DRAINAGE	LS			( 75)
SECURITY AND FENCE	LS			( 230)
OTHER SUPPORT	LS			( 735)
<b>SUBTOTAL</b>				<b>6,427</b>
CONTINGENCY (10%)				<b>643</b>
<b>TOTAL CONTRACT COST</b>				<b>7,070</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<b>424</b>
<b>TOTAL REQUEST</b>				<b>7,494</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>7,500</b>
10. Description of Proposed Construction: Plan and execute closure of Landfill No 3.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Close landfill. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. Landfill No 3 must be closed in accordance with California Code of Regulations (CCR) Title 23, Division 3, Chapter 15 and Title 14, Division 7, Chapters 3 and 5. In addition, Draft Waste Discharge Requirements (WDR) to be adopted by the California Regional Water Quality Control Board includes specifications for closure. CCR Title 14, Chapter 3, Article 7.8, Section 17763, requires the implementation of the Final Closure Plan for the named landfill within 30 days. Section 17773 CCR gives construction requirements for the design of the final cover.				
<u>CURRENT SITUATION:</u> Existing Landfills Nos 1, 2, and 3 require formal closure. The California Regional Water Quality Control Board, the Integrated Waste Management Board, and the Yuba County Environmental Health Department have indicated that the base can proceed in reverse order: closure of Landfill No 3 in 1996; Landfill No 2 in 1997; and Landfill No 1 in 1998. Landfill No 3 operated from some time in 1980 until Oct 1993. Landfill No 2 operated from approximately 1960 until some time in 1980. Landfill No 1 operated from approximately 1940 until 1960. Beale AFB is currently using the Yuba-Sutter Disposal, Inc. landfill for solid waste disposal. All three landfills on Beale AFB are in violation of the "Record of Disposal Site Inspection" requirement for submittal of closure plans. These landfills are out of compliance with California State Regulations and draft WDR to be adopted by California Regional Water Quality Control Board.				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  <b>LANDFILL CLOSURE</b>	5. PROJECT NUMBER  <b>BAEY951004</b>	
<p><u>IMPACT IF NOT PROVIDED:</u> Severe fines can be applied by the State of California, up to \$25,000 a day can be applied by the California Regional Water Quality Control Board if the base does not bring the landfill through to closure. Fines and lawsuits may be imminent if the government does not take action.....</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II, MIL HDBK 1190, or in AF Manual 86-2. The scope of the project was determined in accordance with California State Law. All options were considered; no other option could meet the mission requirements; therefore, no economic analysis was performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  LANDFILL CLOSURE	5. PROJECT NUMBER  BAEY951004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 30	
(e) Date Design Complete	95 JUL 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):		
(a) Production of Plans and Specifications	(\$000)	325
(b) All Other Design Costs		90
(c) Total		415
(d) Contract		325
(e) In-house		90
(4) Construction Start		
		96 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 1.38			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	671	3754	3493				27	51	862	8,858
b. End FY 2000	650	3384	3264				27	51	862	8,238
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 301,928)									711,233	
b. Inventory Total As Of: (30 SEP 94)									44,650	
c. Authorization Not Yet In Inventory:									33,800	
d. Authorization Requested In This Program:									21,700	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									102,300	
g. Remaining Deficiency:									913,683	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN STATUS						
				<u>START</u>	<u>CMPL</u>					
311-114	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	107,000 SF	12,100	APR 94	JUL 95					
317-932	ADD TO AND ALTER ANECHOIC CHAMBER	47,800 SF	11,100	MAR 94	OCT 95					
721-312	DORMITORY	136 PN	10,600	MAY 94	JUL 95					
		TOTAL:	33,800							
9a. Future Projects: Included in the Following Program (FY 1997)										
211-152	RENOVATE AIRCRAFT MAINTENANCE FACILITY	234,000 SF	8,000							
311-115	F-22 ALTER AIRCRAFT MAINTENANCE FACILITY	42,700 SF	4,400							
317-932	ADD TO AND ALTER SIMULATOR TEST CONTROL FACILITY	LS	4,900							
821-115	CONVERT BOILERS	24 EA	4,400							
		TOTAL:	21,700							
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; and Astronautics Directorate of Phillips Laboratory. Also, a landing site for the space shuttle.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									4,400	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									9,600	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY		
5. PROGRAM ELEMENT 6.42.39	6. CATEGORY CODE 311-114	7. PROJECT NUMBER FSPM963506	8. PROJECT COST(\$000) 12,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	SF	107,000		8,840
ADDITION	SF	57,000	100	( 5,700)
ALTERATION	SF	50,000	46	( 2,300)
PRE-WIRED WORKSTATIONS/COMM SUPPORT	LS			( 840)
SUPPORTING FACILITIES				2,035
UTILITIES	LS			( 500)
PAVEMENTS/SITE IMPROVEMENTS	LS			( 235)
FIRE PROTECTION SYSTEMS	LS			( 1,250)
DEMOLITION	SF	3,050	16	( 50)
SUBTOTAL				10,875
CONTINGENCY (5%)				544
TOTAL CONTRACT COST				<u>11,419</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				685
TOTAL REQUEST				<u>12,104</u>
TOTAL REQUEST (ROUNDED)				12,100

10. Description of Proposed Construction: Construct new additions for jet engine maintenance (20,000 SF), data reduction vault (12,000 SF) and storage (25,000 SF) of concrete foundation and floor slab, metal/concrete walls and roof system; alter portions of four existing buildings to accommodate F-22. Includes utilities, pavements and necessary support. Demolish four buildings.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 203,200 SF ADEQUATE: 0 SUBSTANDARD: 146,750 SF  
PROJECT: Add to and alter an F-22 engineering test facility. (New Mission)

REQUIREMENT: The Air Force Flight Test Center requires secure and modern aircraft maintenance and testing facilities to house and conduct testing for the Engineering and Manufacturing Development (EMD) phase of F-22 Advanced Tactical Fighter aircraft. The EMD phase of the F-22 program includes a total of nine EMD aircraft that will be delivered to Edwards AFB by FY99. One EMD aircraft will be delivered in FY96, two in FY97, four in FY98 and the final two in FY99. Facilities for the main flight test engineering staff and maintenance bays are included in the FY95 MILCON. Additional facilities to support F-22 EMD aircraft are required for jet engine maintenance, storage, and a data reduction vault. Alteration or upgrade is needed for the existing shops, engineering work space, missile maintenance, ground support equipment maintenance, and classified destruction facilities to accommodate flight test operations personnel, management staff and avionics engineering personnel. Four buildings totaling 3,050 SF will be demolished.

CURRENT SITUATION: There are no existing hangars at Edwards AFB that have the proper electrical and mechanical systems to support testing, repairs,

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	FSPM963506	
<p>calibration, and trouble-shooting of the advanced F-22 instrumentation and avionics systems. Also there are no existing jet engine maintenance, storage, data reduction vault, missile maintenance, ground support equipment maintenance, and classified destruction facilities that meet space and special security requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Air Force will be forced to delay and slow the scheduled F-22 test activities, resulting in millions of dollars in cost growth and delaying start of production and initial operational capability.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternatives were considered while developing this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This is the second phase of a three-phased effort to provide adequate facilities for testing of F-22 aircraft. A follow-on MILCON project, programmed for FY97, will provide facilities to support the remaining EMD aircraft.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	5. PROJECT NUMBER  FSPM963506	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 10	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 20	
(e) Date Design Complete	95 JUL 25	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	594	
(b) All Other Design Costs	297	
(c) Total	891	
(d) Contract		
(e) In-house	891	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE ADD TO AND ALTER ANECHOIC CHAMBER		
5. PROGRAM ELEMENT 6.58.07	6. CATEGORY CODE 317-932	7. PROJECT NUMBER FSPM943501	8. PROJECT COST (\$000) 11,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER ANECHOIC CHAMBER	SF	47,800		8,045
ADDITION	SF	35,000	175	( 6,125)
ALTERATION	SF	12,800	150	( 1,920)
SUPPORTING FACILITIES				1,945
UTILITIES	LS			( 625)
RF SHIELDING	SF	18,000	65	( 1,170)
COMMUNICATIONS SUPPORT	LS			( 150)
SUBTOTAL				9,990
CONTINGENCY (5%)				500
TOTAL CONTRACT COST				10,490
SUPERVISION, INSPECTION AND OVERHEAD (6%)				629
TOTAL REQUEST				11,119
TOTAL REQUEST (ROUNDED)				11,100
10. Description of Proposed Construction: Alter the ground floor and construct two floors in unfinished portion of the anechoic chamber. Work includes steel framing, concrete floors, masonry walls, interior partitions, clean rooms with Radio Frequency Interference (RFI) shielding, insulation, and vibration/sound attenuation. Also modify and extend utilities and provide necessary support.				
<u>Air Conditioning:</u> 100 Tons.				
11. REQUIREMENT: 214,250 SF ADEQUATE: 162,300 SF				
SUBSTANDARD: 16,200 SF				
<u>PROJECT:</u> Add to and alter an anechoic chamber. (New Mission)				
<u>REQUIREMENT:</u> Additional specialized space is required to test electronic combat and integrated avionics systems for advanced aircraft such as the F-22, F-117, B-2, and C-17. Weapons system components must first be tested in clean rooms with Radio Frequency Interference (RFI) and Electro-Magnetic Pulse (EMP) shielding and then be transferred to the anechoic chamber for integrated testing on full scale aircraft. Shielded rooms must be able to test classified threat generators, target simulators and other sophisticated electronic test equipment used to simulate hostile enemy airspace without compromising data collection or security.				
<u>CURRENT SITUATION:</u> There are no specialized rooms or support space in the anechoic facility to test new weapon system components prior to integrated testing on test aircraft. Existing rooms in an adjacent facility fragment the workforce and lack required security, and RFI and EMP shielding. After weapon system components are individually tested in individual specialized rooms in the adjacent facility, they are then transferred to the anechoic chamber for integrated testing on full-scale aircraft. Transferring the components to the anechoic chamber requires additional				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER ANECHOIC CHAMBER	5. PROJECT NUMBER FSPM943501	
<p>security measures and increases scheduling conflicts. Electronic test conditions in both the specialized rooms and the anechoic chamber cannot be tailored for each weapon component because there are more components being tested at any one time than there are specialized rooms. Ferrying components back and forth from the adjacent facility to the anechoic chamber can be extremely time consuming since components must compete for space for initial setup and subsequent modifications.</p> <p><u>IMPACT IF NOT PROVIDED:</u> New and upgraded weapon systems will require more extensive flight testing at much greater cost to assure minimum developmental risk and cost. The lack of adequate specialized space with RFI and EMP shielding will continue to compromise test and data collection, thereby resulting in program slippage and costly overruns.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER ANECHOIC CHAMBER	5. PROJECT NUMBER FSPM943501	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 20	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 15	
(e) Date Design Complete	95 OCT 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	600	
(b) All Other Design Costs	399	
(c) Total	999	
(d) Contract	659	
(e) In-house	340	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 7.28.06	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FSPM943013	8. PROJECT COST (\$000) 10,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (136 PN)	SF	48,300	130	6,279
SUPPORTING FACILITIES				3,230
UTILITIES	LS			( 600)
SITE IMPROVEMENTS	LS			( 300)
PAVEMENTS	LS			( 650)
DEMOLITION	SF	56,000	23	( 1,290)
ASBESTOS REMOVAL	SF	56,000	7	( 390)
SUBTOTAL				9,509
CONTINGENCY (5%)				475
TOTAL CONTRACT COST				9,984
SUPERVISION, INSPECTION AND OVERHEAD (6%)				599
TOTAL REQUEST				10,583
TOTAL REQUEST (ROUNDED)				10,600
10. Description of Proposed Construction: Reinforced concrete foundation, floor slabs, masonry walls and roof system. Includes interior partitions, room-bath-room modules, laundries, storage, lounge areas, vehicle access pavement and necessary support. Demolish four buildings. Air Conditioning: 100 Tons. Grade Mix: 136 E1-E4.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 E1-E4, with a maximum utilization of 136 personnel. <u>CURRENT SITUATION:</u> The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off-base housing which is located several miles from the base. The existing wooden dormitories were originally built in the 1950s and are poorly suited to the hot, dry climate and do not meet California seismic standards. The desert climate causes the wood to dry and crack. Frequent tremors have caused the buildings to sway and further degrade the aging structures. Space authorizations have changed in the 40 years since the dorms were designed and constructed, and the rooms are currently undersized and substandard. The existing conditions and configuration of the buildings, combined with the presence of asbestos, would make				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER FSPM943013	
<p>renovation a costly and uneconomical alternative. Any renovation would leave the wood structure unchanged and subject to the effects of the desert environment. Completion of this project will allow demolition of four WW II wood buildings totalling 56,000 square feet.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks. Lowered morale will contribute to retention difficulties for the Air Force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standard established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior exits.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	FSPM943013
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 08	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 15	
(e) Date Design Complete	95 JUL 25	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	564	
(b) All Other Design Costs	282	
(c) Total	846	
(d) Contract		
(e) In-house	846	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION			4. COMMAND AIR MOBILITY COMMAND					5. AREA CONST COST INDEX			
TRAVIS AIR FORCE BASE, CALIFORNIA								1.25			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		1176	6269	1985				21	165	117	9,733
b. End FY 2000		1257	6870	1979				21	165	117	10,409
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 6,922) b. Inventory Total As Of: (30 SEP 94) 455,159 c. Authorization Not Yet In Inventory: 46,700 d. Authorization Requested In This Program: 27,300 e. Authorization Included In Following Program: (FY 1997) 6,600 f. Planned In Next Four Program Years: 22,410 g. Remaining Deficiency: 113,800 h. Grand Total: 671,969											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS		
CODE									START		CMPL
141-753		SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY			31,600 SF		7,400		NOV 93		APR 95
171-212		KC-10 ADD TO FLIGHT SIMULATOR FACILITY			7,000 SF		2,400		AUG 94		MAY 95
442-257		BASE HAZ MATERIALS STORAGE			7,800 SF		600		DEC 90		SEP 91
721-312		DORMITORY			98 PN		6,400		JUL 94		JUN 95
721-312		DORMITORIES			142 PN		10,500		JUN 94		JUN 95
					TOTAL:		27,300				
9a. Future Projects: Included in the Following Program (FY 1997)											
721-312 DORMITORY 98 PN 6,600 TOTAL: 6,600											
9b. Future Projects: Typical Planned Next Four Years:											
141-753		FLIGHT OPERATIONS COMPLEX			45,600 SF		9,500				
218-868		PRECISION MEASURING EQUIP LAB			8,500 SF		1,800				
721-312		DORMITORY			252 PN		10,500				
811-147		EMERGENCY POWER GENERATOR PLNT			LS		610				
10. Mission or Major Functions: Headquarters Fifteenth Air Force; an air mobility wing with two C-5, one C-141, and two KC-10 squadrons; an Air Force Reserve C-5/C-141/KC-10 associate air mobility wing; the west coast Air Mobility Operations Center (AMOG); and a major USAF medical center.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 2,500 d. Other Environmental: 0											

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 141-753	7. PROJECT NUMBER XDAT953250	8. PROJECT COST (\$000) 7,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	SF	31,600	150	4,740
SUPPORTING FACILITIES				1,870
UTILITIES	LS			( 425)
PAVEMENTS	LS			( 300)
SITE IMPROVEMENTS	LS			( 270)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	32,700	23	( 750)
ELEVATOR	EA	1	125,000	( 125)
<b>SUBTOTAL</b>				6,610
CONTINGENCY (5%)				331
<b>TOTAL CONTRACT COST</b>				6,941
SUPERVISION, INSPECTION AND OVERHEAD (6%)				416
<b>TOTAL REQUEST</b>				7,357
<b>TOTAL REQUEST (ROUNDED)</b>				7,400
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, an elevator, demolition, site improvements, and asbestos removal/disposal.				
Air Conditioning: 65 Tons.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)				
<u>REQUIREMENT:</u> This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. It replaces the existing undersized and separated squadron operations and AMU facilities with a functional and adequately sized structure to support flyers and maintainers of large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, standardization/evaluation, training and testing, locker rooms, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is part of the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.				
<u>CURRENT SITUATION:</u> Existing Sq Ops/AMU operations are accomplished in undersized, physically separated, and substandard wooden facilities constructed in the mid-1950s. These facilities have historically been overcrowded, a condition further exasperated with the squadron unification. Inefficiencies include fragmented lines of				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	XDAT953250	
<p>communications/authority, lack of space for mission planning and briefings, inadequate space for equipment storage, deteriorated electrical and mechanical systems, and lack of space for tool cribs, bench stock, flight planning operations, and maintenance. A total of 32,700 square feet of substandard space will be demolished as a result of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separated, substandard, and undersized buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	5. PROJECT NUMBER	XDAT953250
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 NOV 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed.	94 FEB 01	
(e) Date Design Complete	95 APR 18	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TRAVIS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	370	
(b) All Other Design Costs	130	
(c) Total	500	
(d) Contract	430	
(e) In-house	70	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE KC-10 ADD TO FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 4.12.19	6. CATEGORY CODE 171-212	7. PROJECT NUMBER XDAT963050	8. PROJECT COST (\$000) 2,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
KC-10 ADD TO FLIGHT SIMULATOR FACILITY	SF	7,000	240	1,680
SUPPORTING FACILITIES				385
UTILITIES	LS			( 160)
SITE IMPROVEMENTS	LS			( 125)
PAVEMENTS	LS			( 100)
SUBTOTAL				2,065
CONTINGENCY (10%)				207
TOTAL CONTRACT COST				2,272
SUPERVISION, INSPECTION AND OVERHEAD (6%)				136
TOTAL REQUEST				2,408
TOTAL REQUEST (ROUNDED)				2,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,500)
10. Description of Proposed Construction: Demolition of existing exterior wall, construction of addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior walls to match existing facility, and necessary support.				
Air Conditioning: 30 Tons.				
11. REQUIREMENT: 56,330 SF ADEQUATE: 49,330 SF SUBSTANDARD: 22,775 SF PROJECT: Add to KC-10 flight simulator training facility. (New Mission) <u>REQUIREMENT:</u> Construction is required to support Air Force tanker realignment and beddown of five additional KC-10 operational aircraft expected in the fourth quarter of FY 94. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential to provide hazardous emergency training procedures that cannot otherwise be provided. This facility directly supports flight crew training, with a simulator bay, computer room, instructor offices, lesson preparation areas, learning center, scheduling and briefing rooms, visual aids storage, mechanical room, and all necessary support. <u>CURRENT SITUATION:</u> The existing KC-10 flight simulator facility has only one bay and cannot support the required flight simulator training mission of KC-10 air crews for 24 PAA. The Air Force requires four KC-10 Weapons Systems Trainers (WSTs) but currently only has three. The new bay is required to house the fourth WST with an expected delivery date of 1 Sep 97. <u>IMPACT IF NOT PROVIDED:</u> Aircrew members will not be able to receive essential training to complete the realignment and beddown of the additional KC-10 operational aircraft. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
KC-10 ADD TO FLIGHT SIMULATOR FACILITY	XDAT963050	

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION <b>TRAVIS AIR FORCE BASE, CALIFORNIA</b>			
4. PROJECT TITLE <b>KC-10 ADD TO FLIGHT SIMULATOR FACILITY</b>	5. PROJECT NUMBER <b>XDAT963050</b>		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	94 AUG 15		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	45%		
(d) Date 35% Designed.	94 OCT 07		
(e) Date Design Complete	95 MAY 10		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	140		
(b) All Other Design Costs	100		
(c) Total	240		
(d) Contract	180		
(e) In-house	60		
(4) Construction Start 96 APR			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
KC-10 FLIGHT SIMULATOR DEVICE	3010	FY97	8500

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER XDAT963307	8. PROJECT COST (\$000) 6,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (98 PN)				4,246
DORMITORY	SF	34,800	120	(4,176)
AUTOMATIC SPRINKLER PROTECTION	SF	34,800	2	( 70)
SUPPORTING FACILITIES				1,460
UTILITIES	LS			( 430)
PAVEMENTS	LS			( 275)
SITE IMPROVEMENTS	LS			( 250)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	25,200	20	( 505)
SUBTOTAL				5,706
CONTINGENCY (5%)				285
TOTAL CONTRACT COST				5,991
SUPERVISION, INSPECTION AND OVERHEAD (6%)				359
TOTAL REQUEST				6,350
TOTAL REQUEST (ROUNDED)				6,400
10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas and all necessary support. Includes the demolition of one dormitory.				
Air Conditioning: 75 Tons. Grade Mix: 98 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 98 personnel: 98 E1-E4, with a maximum utilization of 98 personnel.				
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. One substandard facility totalling 25,200 square feet will be demolished upon completion of this project.				
<u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist degrading morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Excessive energy consumption and maintenance costs				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  DORMITORY	5. PROJECT NUMBER  XDAT963307	
<p>will continue if these inefficient and substandard facilities remain in use.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off-base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER XDAT963307	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 21	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed.	94 SEP 30	
(e) Date Design Complete	95 JUN 05	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TRAVIS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	380	
(b) All Other Design Costs	260	
(c) Total	640	
(d) Contract	480	
(e) In-house	160	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE DORMITORIES		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER XDAT973022	8. PROJECT COST (\$000) 10,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORIES (142 PN)				6,148
DORMITORY	SF	25,200	120	( 3,024)
DORMITORY	SF	25,200	120	( 3,024)
AUTOMATIC SPRINKLER PROTECTION	SF	50,000	2	( 100)
SUPPORTING FACILITIES				3,300
UTILITIES	LS			( 900)
PAVEMENTS	LS			( 700)
SITE IMPROVEMENTS	LS			( 700)
DEMOLITION	SF	50,000	20	( 1,000)
SUBTOTAL				9,448
CONTINGENCY (5%)				472
TOTAL CONTRACT COST				<u>9,920</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				595
TOTAL REQUEST				10,515
TOTAL REQUEST (ROUNDED)				10,500

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundry, storage and lounge areas, fire protection, demolition, and other necessary support.

Air Conditioning: 100 Tons. Grade Mix: 142 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Constructs two dormitories. (Current Mission)

REQUIREMENT: This is a Level I commander's facility assessment (CFA) project. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 142 personnel: 142 E1-E4, with a maximum utilization of 142 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient noise attenuation to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. Two substandard dormitories totalling 50,000 squarefeet will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Substandard living accommodations on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>TRAVIS AIR FORCE BASE, CALIFORNIA</b>		
4. PROJECT TITLE  <b>DORMITORIES</b>	5. PROJECT NUMBER  <b>XDAT973022</b>	
<p>uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction, demolishing existing dorms and sending enlisted personnel off base paying BAQ/VHA, revitalization and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>TRAVIS AIR FORCE BASE, CALIFORNIA</b>		
4. PROJECT TITLE <b>DORMITORIES</b>	5. PROJECT NUMBER	XDAT973022
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 09	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	40%	
(d) Date 35% Designed.	94 SEP 30	
(e) Date Design Complete	95 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TRAVIS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	400	
(b) All Other Design Costs	280	
(c) Total	680	
(d) Contract	500	
(e) In-house	180	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT  AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA			4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 1.36		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	624	2419	1242						4,285
b. End FY 2000	608	2219	1157						3,984
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 98,830)									
b. Inventory Total As Of: (30 SEP 94)									1,118,383
c. Authorization Not Yet In Inventory:									32,528
d. Authorization Requested In This Program:									6,000
e. Authorization Included In Following Program: (FY 1997)									1,010
f. Planned In Next Four Program Years:									27,200
g. Remaining Deficiency:									65,473
h. Grand Total:									1,250,594
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY  CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS					
				START	CMPL				
130-142	FIRE STATION	8,500 SF	2,000	JUN 94	FEB 95				
141-766	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	14,600 SF	4,000	JUL 93	AUG 94				
TOTAL:				6,000					
9a. Future Projects: Included in the Following Program (FY 1997)									
171-476	COMBAT ARMS FACILITY	5,000 SF	1,010						
TOTAL:				1,010					
9b. Future Projects: Typical Planned Next Four Years:									
171-621	TECHNICAL TRAINING CLASSROOM	125,000 SF	24,000						
411-139	HAZARDOUS MATERIAL STORAGE FACILITY	25,000 SF	1,200						
833-354	REGIONAL COMPOSTING FACILITY	LS	2,000						
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:									0
b. Water pollution:									7,000
c. Occupational safety and health:									0
d. Other Environmental:									5,000

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE FIRE STATION		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 130-142	7. PROJECT NUMBER XUMU884004	8. PROJECT COST (\$000) 2,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION	SF	8,500	135	1,148
SUPPORTING FACILITIES				650
UTILITIES	LS			( 190)
PAVEMENTS	SY	18,000	17	( 305)
SITE IMPROVEMENTS	LS			( 50)
BUILDING DEMOLITION	SF	6,200	13	( 80)
PAVEMENT DEMOLITION	SY	8,000	3	( 25)
<b>SUBTOTAL</b>				1,798
CONTINGENCY (5%)				90
TOTAL CONTRACT COST				1,888
SUPERVISION, INSPECTION AND OVERHEAD (6%)				113
TOTAL REQUEST				2,001
TOTAL REQUEST (ROUNDED)				2,000
10. Description of Proposed Construction: Builds one new station and demolishes two old stations. Construction includes a reinforced concrete foundation and floor slab; split face block walls; pitched, standing seam metal roof and fascia. Project provides vehicle stalls, living quarters, and an uninterrupted power system. Project includes all utilities, site improvements, and pavements.				
<u>Air Conditioning:</u> 5 Tons.				
11. REQUIREMENT: 8,500 SF ADEQUATE: 0 SUBSTANDARD: 6,158 SF				
<u>PROJECT:</u> Construct a fire station. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. An adequate, centrally located fire station is required to provide fire protection capabilities to south Vandenberg AFB. The station must be manned 24 hours a day, 7 days a week with overnight accommodations provided for firefighting personnel assigned to 24-hour shifts. Response time to the Atlas and Titan space launch complexes must be 4.5 minutes or less, per DODI 6055.6 and AFR 92-1, Ch 4, para 4-2 (1).				
<u>CURRENT SITUATION:</u> Two substandard, poorly located fire stations currently exist. Consolidation of these two functions is required at a site which is central to the launch complexes. One existing station is a WW II woodframe structure. Door clearance limits the size of fire vehicles which can be sheltered. The electrical system does not meet current code, and the facility is energy inefficient and costly to maintain. Response time to the space launch complexes is over 13 minutes. This does not meet current DoD and Air Force criteria. The other station is a 25 year old metal building which is badly corroded due to the damp salt air environment; it is not repairable. Roof structural members are unsafe for maintenance people to walk on. It is inadequate in size and				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>VANDENBERG AIR FORCE BASE, CALIFORNIA</b>		
4. PROJECT TITLE  <b>FIRE STATION</b>	5. PROJECT NUMBER  <b>XUMU884004</b>	
<p>configuration for 24 hour operations. Open bay sleeping quarters do not provide privacy for the male and female firefighters. Fire vehicles must be parked outdoors due to narrow door clearance, and are thus subject to rapid deterioration in the salt air. Scope and value of protected equipment and facilities: launch complexes and facilities on south Vandenberg AFB - \$300 million; cost of a Titan 4 missile including launch services - in excess of \$400 million; payload values per launch - in excess of \$1.5 billion. South Vandenberg AFB contains 35,070 acres, requiring wild land fire fighting capability. Demolition of the two existing substandard facilities (6,158 SF) is included in this project.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Unacceptable response time will continue to put valuable Air Force Space Command assets at considerable risk. The protracted use of substandard, deteriorated facilities will result in inefficient operations, higher maintenance costs, and unresponsive fire protection services. Fire protection personnel will continue to work in substandard, inefficient, and overcrowded facilities which will adversely impact their ability to provide fire protection to south Vandenberg AFB. The impact of deferred satellite coverage on its primary mission, due to launch delay, is incalculable in terms of national importance. Fire at a launch complex will have a 9 minute headstart.</p> <p><b>ADDITIONAL:</b> Criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" are satisfied. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>VANDENBERG AIR FORCE BASE, CALIFORNIA</b>		
4. PROJECT TITLE <b>FIRE STATION</b>	5. PROJECT NUMBER <b>XUMU884004</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 08	
(e) Date Design Complete	95 FEB 22	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	120	
(b) All Other Design Costs	80	
(c) Total	200	
(d) Contract		
(e) In-house	200	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY		
5. PROGRAM ELEMENT 3.51.81	6. CATEGORY CODE 141-766	7. PROJECT NUMBER XUMU934002	8. PROJECT COST (\$000) 4,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	SF	14,600		2,997
LIQUID FUEL ANALYSIS TECH LAB	SF	14,000	210	(2,940)
HAZARDOUS MATERIAL STORAGE	SF	600	95	( 57)
SUPPORTING FACILITIES				605
COMMUNICATIONS SUPPORT	LS			( 140)
WATER, SEWER, GAS	LS			( 85)
DEMOLITION	SF	5,900	36	( 210)
SITE IMPROVEMENTS	LS			( 75)
PAVEMENTS	SY	2,400	40	( 95)
<b>SUBTOTAL</b>				<b>3,602</b>
CONTINGENCY (5%)				<b>180</b>
<b>TOTAL CONTRACT COST</b>				<b>3,782</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<b>227</b>
<b>TOTAL REQUEST</b>				<b>4,009</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>4,000</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(419)
10. Description of Proposed Construction: Concrete block walls, concrete foundation and slab, built up roof. Special heating, ventilating and air conditioning with controls. Rooms for propellant and oxidizer storage, overhead doors for material delivery, computer room, special shielding for x-ray room. Utilities and site work as required. Demolish three existing buildings (which contain asbestos and lead-based paint). Air Conditioning: 80 Tons.				
11. REQUIREMENT: 14,600 SF ADEQUATE: 0 SUBSTANDARD: 5,877 SF <u>PROJECT:</u> Construct a chemical test and analysis laboratory. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. This is also a Space Launch Facilities Infrastructure (SLFI) requirement. This project will provide critical launch operations support for Atlas, Titan, Delta, Scout, Taurus, and Pegasus space launch systems, and the Peacekeeper ICBM system. The tests and analyses performed in this facility ascertain the quality of gases, lubricants, hydraulic fluids, cryogenics, and aerospace propellants; identify contaminants that could cause malfunctions or failures in rockets, payloads, and ground support systems; and monitor post launch environmental conditions. <u>CURRENT SITUATION:</u> The existing facility has uncorrectable safety deficiencies. It does not meet California seismic codes and cannot be made to meet them economically. Structural deficiencies are causing severe operational problems due to vibration of sensitive measurement equipment. Results are sometimes inconsistent and tests must be rerun. Because of a lack of laboratory space, the number of chemical fume hoods in the facility is insufficient to fully support oxidizer and hydrazine analysis requirements. Delays to Titan launch operations have occurred				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  <b>SILFI - CHEMICAL TEST AND ANALYSIS LABORATORY</b>	5. PROJECT NUMBER  <b>XUMU934002</b>	
<p>because the location of the exhausts (only 15 feet from fresh air intakes) for the toxic chemical fumehoods does not permit chemists to conduct propellant tests unless a five knot wind is present. The existing facility has become dangerously overcrowded with instrumentation and equipment needed to support new environmental and waste testing programs and other launch-related requirements. Base safety inspection reports routinely list numerous space deficiencies; offices and labs must share the same space. Additional space is not available either in or around the existing facility. Due to lack of space, approximately 4,750 environmental tests must be performed each year by private contractors. Many of these tests are very expensive. For example, the "EPA toxicity metals test" costs about \$700 per test to contract out, whereas this test would cost only about \$200 if done in the local lab. Approximately 190 of these tests are done each year; consequently, this type of test alone costs about \$95,000 per year to contract out. Electrical wiring does not meet National Electrical Code requirements. Three buildings (5,877 square feet in area) will be demolished as a result of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Existing safety deficiencies and the shortage of adequate laboratory space will continue to jeopardize the availability, quality, and reliability of critical, mission-essential support of spacelift and ICBM operations. The success of these missions could be adversely affected by a failure to identify contaminants in a propellant. These deficiencies are also preventing the timely development of hazardous waste testing capabilities required to comply with federal and state regulations regarding the transportation and disposition of hazardous materials. The tests described above will have to continue to be contracted out.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION  <u>VANDENBERG AIR FORCE BASE, CALIFORNIA</u>			
4. PROJECT TITLE  SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	5. PROJECT NUMBER  XUMU934002		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	93 JUL 22		
(b) Parametric Cost Estimates used to develop costs		Y	
(c) Percent Complete as of Jan 1995	100%		
(d) Date 35% Designed.	93 OCT 07		
(e) Date Design Complete	94 AUG 30		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	240		
(b) All Other Design Costs	197		
(c) Total	437		
(d) Contract	357		
(e) In-house	80		
(4) Construction Start 96 MAR			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
SCANNING ELECTRON MICROSCOPE	3080	1995	300
GAS CHROMATOGRAPH SYSTEM	3080	1995	105
1 ROTARY ESTIMATOR	3080	1995	3
1 ZERO HEADSPACE AGITATOR	3080	1995	3
4 ZERO HEADSPACE EXTRACTORS	3080	1995	6
1 STEAM BATH / 2 WATER BATHS	3080	1995	2

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES)				4. COMMAND				5. AREA CONST COST INDEX 0.00		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94										
b. End FY 2000										
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 0 )										
b. Inventory Total As Of: (30 SEP 94)	0									
c. Authorization Not Yet In Inventory:	0									
d. Authorization Requested In This Program:	17,800									
e. Authorization Included In Following Program: (FY 1997)	19,526									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	0									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS						
				START	CMPL					
100-000	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	700							
214-425	VEHICLE MAINTENANCE FACILITY	13,000 SF	1,600	APR 94	JUN 95					
442-758	WAR READINESS MATERIAL WAREHOUSES	300,000 SF	15,500	APR 94	JUN 95					
		TOTAL:	17,800							
9a. Future Projects: Included in the Following Program (FY 1997)										
100-000	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	4,226							
422-264	MUNITIONS STORAGE IGLOOS	54,500 SF	7,000							
442-758	WAR READINESS MATERIAL WAREHOUSE	15,000 SF	2,300							
442-758	WAR READINESS MATERIAL WAREHOUSES	100,000 SF	6,000							
		TOTAL:	19,526							
9b. Future Projects: Typical Planned Next Four Years:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO			4. COMMAND AIR NATIONAL GUARD				5. AREA CONST COST INDEX 1.03		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	91	617	607						1,315
b. End FY 2000	89	611	585						1,285
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 3,245)									
b. Inventory Total As Of: (30 SEP 94)									93,042
c. Authorization Not Yet In Inventory:									83,550
d. Authorization Requested In This Program:									5,500
e. Authorization Included In Following Program: (FY 1997)									3,500
f. Planned In Next Four Program Years:									0
g. Remaining Deficiency:									11,000
h. Grand Total:									196,592
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN		STATUS <u>START</u>	<u>CMPL</u>		
721-312	TROOP SUPPORT FACILITIES	150 PN	5,500	JUL 94	AUG 95				
		TOTAL:	5,500						
9a. Future Projects: Included in the Following Program (FY 1997)									
442-758	BASE SUPPLY AND EQUIPMENT WAREHOUSE	40,000 SF	3,500						
		TOTAL:	3,500						
9b. Future Projects: Typical Planned Next Four Years:									
10. Mission or Major Functions: Colorado Air National Guard Headquarters with T-43s and the ANG 140th Fighter Wing flying F-16 aircraft; an Air National Guard 154th Control Group and 2nd Space Waring Squadron.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:									0
b. Water pollution:									0
c. Occupational safety and health:									0
d. Other Environmental:									0

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		4. PROJECT TITLE TROOP SUPPORT FACILITIES		
5. PROGRAM ELEMENT 3.41.11	6. CATEGORY CODE 721-312	7. PROJECT NUMBER CRWU961460	8. PROJECT COST (\$000) 5,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
TROOP SUPPORT FACILITIES	SF	42,200		4,073
DORMITORY (150 PN)	SF	30,000	94	(2,820)
ADD TO DINING FACILITY	SF	2,500	140	( 350)
FITNESS CENTER	SF	4,700	90	( 423)
ADMINISTRATIVE SUPPORT FACILITY	SF	5,000	96	( 480)
SUPPORTING FACILITIES				895
UTILITIES	LS			( 300)
PAVEMENTS	LS			( 125)
SITE IMPROVEMENTS	LS			( 100)
DEMOLITION/ASBESTOS REMOVAL	SF	37,000	10	( 370)
SUBTOTAL				4,968
CONTINGENCY (5%)				248
TOTAL CONTRACT COST				5,216
SUPERVISION, INSPECTION AND OVERHEAD (6%)				313
TOTAL REQUEST				5,529
TOTAL REQUEST (ROUNDED)				5,500

10. Description of Proposed Construction: Concrete foundation, floor slab, masonry walls, structural frame and built-up roof. Includes room-bath-room modules, laundries, storage, lounge, administrative space, and fitness center. Provide addition to dining facility and demolish two condemned buildings, including asbestos removal at the site of new construction, and provide necessary support.

Air Conditioning: 40 Tons. Grade Mix: 150 E1-E4.

11. REQUIREMENT: 150 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct troop support facilities. (New Mission)

REQUIREMENT: Adequate on-base quarters are required for unaccompanied enlisted personnel who will be assigned to the new Aerospace Data Facility (ADF) mission. This requirement supports the Air Force objective to provide personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Fitness and dining facilities are also needed to accommodate these additional personnel. The mission requirements of the ADF require quick personnel response which can only be provided by housing personnel on base. Also, administrative space is required for the Denver personnel support activities. This twenty-seven person office provides personnel support for the active duty members assigned to the Denver area.

CURRENT SITUATION: This Air National Guard base has no dormitories. The ADF personnel are currently housed at Lowry Air Force Base, which is scheduled for closure in September 1994. Also additional enlisted personnel will be assigned to this base in support of new and expanded

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		
4. PROJECT TITLE TROOP SUPPORT FACILITIES	5. PROJECT NUMBER CRWU961460	
<p>missions associated with the ADF. The existing dining hall and fitness center are inadequate to support the addition manpower. Two buildings totalling 37,000 SF will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters, dining, fitness, and administrative facilities will be unavailable for Aerospace Data Facility personnel, resulting in degradation of ADF's unique mission as well as the morale and productivity of assigned personnel.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing, and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most economical and efficient over the life of the project. This is a companion to BRAC project CRWU953050, Dormitory, which provides living quarters for 150 additional enlisted personnel currently housed at Lowry AFB, which is scheduled for closure. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		
4. PROJECT TITLE TROOP SUPPORT FACILITIES	5. PROJECT NUMBER CRWU961460	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 06	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 NOV 30	
(e) Date Design Complete	95 AUG 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	320	
(b) All Other Design Costs	175	
(c) Total	495	
(d) Contract	495	
(e) In-house		
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO				4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 1.06		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	1211	1982	1647				355	457	537	6,189
b. End FY 2000	1181	1958	1518				355	457	537	6,006
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 1,280)										
b. Inventory Total As Of: (30 SEP 94)	184,458									
c. Authorization Not Yet In Inventory:	24,530									
d. Authorization Requested In This Program:	4,390									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	19,400									
g. Remaining Deficiency:	32,262									
h. Grand Total:	265,040									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>					
130-142 FIRE STATION		5,400 SF	1,390	MAY 94	APR 95					
721-312 ADD TO AND ALTER DORMITORY		67 PN	3,000	OCT 92	SEP 94					
		TOTAL:	4,390							
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
442-758 BASE SUPPLIES & EQUIP WHSE		39,000 SF	4,200							
721-312 ADD TO AND ALTER DORMITORY		134 PN	3,400							
721-312 DORMITORY		422 PN	11,800							
10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Force Space Command; Headquarters North American Air Defense Command; Space and Warning Systems Center; a space wing with C-21 aircraft; the Air Force Materiel Command Space Systems Support Group; and an Air Force Reserve airlift wing with one C-130 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE FIRE STATION		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 130-142	7. PROJECT NUMBER TDKA933008	8. PROJECT COST (\$000) 1,390	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION	SF	5,400	120	648
SUPPORTING FACILITIES				600
UTILITIES	LS			( 70)
SITE IMPROVEMENTS	LS			( 45)
PAVEMENTS	SY	11,500	42	( 485)
SUBTOTAL				1,248
CONTINGENCY (5%)				62
TOTAL CONTRACT COST				1,310
SUPERVISION, INSPECTION AND OVERHEAD (6%)				79
TOTAL REQUEST				1,389
TOTAL REQUEST (ROUNDED)				1,390
10. Description of Proposed Construction: Construct a fire station with 2 vehicle bays, male/female sleeping rooms, latrines and showers, kitchen/dining, recreation, and office/training areas. Project includes site work, access road, parking areas, and connection to base alarm and energy monitoring systems.				
Air Conditioning: 5 Tons.				
11. REQUIREMENT: 5,400 SF ADEQUATE: 0 SUBSTANDARD: 0				
PROJECT: Construct a fire station. (Current Mission)				
REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project will support aircraft crash rescue requirements for a newly constructed USAF/Commercial runway and provide structural fire response for high value Air Force assets on Peterson East. Department of Defense Instruction 6055.6 requires a 3-minute response time to the farthest end of the runway and a 4.5-minute response and 2-mile maximum distance for structures. The existing base fire station cannot meet these response and distance requirements.				
CURRENT SITUATION: Peterson AFB and the Colorado Springs Airport operate under a mutual support agreement for crash rescue and airfield maintenance: Peterson provides crash rescue and structural fire support for the Airport, and the City maintains the runways and provides airfield management. Under this agreement, Peterson does not pay a user fee for military flights. The existing fire station is located too far from the new North runway to provide adequate crash rescue protection; test runs show that the crash response time is over the maximum time allowable by 30 seconds which is enough time to lose the crew and passengers in an aircraft accident. In addition, structural response routes for fires on Peterson East exceed the 2-mile DoD distance standard. The situation				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE FIRE STATION	5. PROJECT NUMBER TDKA933008	

cannot be corrected by relocating the existing fire station because there is no single site which will meet the required response times for all runways and structures on Peterson AFB. The Fire Department is currently operating on a temporary waiver for crash response time for the new runway. This waiver is contingent upon the provision of a new fire station via the FY96 MILCON program.

IMPACT IF NOT PROVIDED: DoD standards for fire response will not be met. Aircraft passengers and crew plus \$500 million of existing and projected Air Force facilities and equipment will be at risk, as well as the lives and safety of USAF personnel working in the Peterson East area. The SAF/MII waiver for violating response criteria would have to be extended indefinitely. The operating agreement with the City of Colorado Springs would be placed in jeopardy. If the agreement is cancelled, the City could require payment of landing fees to support fire protection costs. Fees could total more than \$4 million per year.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this proposed project, and it was determined that this option was the optimum solution.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE  FIRE STATION	5. PROJECT NUMBER  TDKA933008	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 05	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed.	94 JUL 21	
(e) Date Design Complete	95 APR 14	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	75	
(b) All Other Design Costs	124	
(c) Total	199	
(d) Contract	132	
(e) In-house	67	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE ADD TO AND ALTER DORMITORY		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER TDKA923001	8. PROJECT COST (\$000) 3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER DORMITORY (67 PN)	SF	29,650		2,034
ALTERATION	SF	26,300	59	(1,552)
ADDITION (BALCONIES)	SF	3,350	89	(298)
AUTOMATIC SPRINKLER PROTECTION	SF	26,300	7	(184)
SUPPORTING FACILITIES				535
UTILITIES	LS			(105)
SITE IMPROVEMENTS	LS			(210)
PAVEMENTS	SY	2,400	17	(40)
ASBESTOS REMOVAL	LS			(180)
SUBTOTAL				2,569
CONTINGENCY (10%)				257
TOTAL CONTRACT COST				2,826
SUPERVISION, INSPECTION AND OVERHEAD (6%)				170
TOTAL REQUEST				2,996
TOTAL REQUEST (ROUNDED)				3,000

10. Description of Proposed Construction: Demolish existing partitions. Renovation to include provision of new room-bath-room configuration, new finishes, fixtures, plumbing, HVAC, and electrical systems. Conversion from interior to exterior room entrances with balconies added. Each floor will include a laundry room, dayroom, and storage areas. Asbestos removal required for mechanical components and floor tile.

Air Conditioning: 40 Tons. Grade Mix: 67 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Add to and alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. This project will provide a properly-sized living area for each resident with semi-private latrines, lounge area and laundry on each floor, and storage within the facility. Estimated intended utilization is 67 personnel: 67 E1-E4, with an intended utilization of 67 personnel.

CURRENT SITUATION: The existing facility was built in the 1960's using brick/masonry construction. The three-story building has double occupancy rooms with a central latrine on each floor. This arrangement does not meet DoD living standards. Dormitory rooms have exposed masonry walls, high ceilings, inadequate lighting, obsolete electrical and mechanical systems, and inadequate insulation, all of which detract from the residents' privacy and comfort. The building is a maintenance and operational burden due to aging electrical, plumbing and HVAC systems; and it does not conform to national building codes. The sanitary sewer backs up into the basement, and the electrical feeder and transformer capacities

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE ADD TO AND ALTER DORMITORY	5. PROJECT NUMBER TDKA923001	
<p>are too small to meet today's standards and requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and continue to have a negative impact on morale, productivity and career satisfaction for the enlisted force. The building will need increased maintenance and will continue to fail to meet DoD standards and national building code requirements.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A life-cycle economic analysis was performed comparing all reasonable options for accomplishing this project. Based on net present values and benefits of the respective alternatives, renovation was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HDBK-1008B, "Fire Protection for Facilities". Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD-approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE ADD TO AND ALTER DORMITORY	5. PROJECT NUMBER TDKA923001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 OCT 28	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	93 JAN 28	
(e) Date Design Complete	94 SEP 16	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	PETERSON	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	158	
(b) All Other Design Costs	216	
(c) Total	374	
(d) Contract	193	
(e) In-house	181	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO				4. COMMAND UNITED STATES AIR FORCE ACADEMY				5. AREA CONST COST INDEX 1.06		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	1086	1194	1693	5	4282		19	28	62	8,369
b. End FY 2000	998	1033	1923	5	4182		19	28	62	8,250
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 54,147)										
b. Inventory Total As Of: (30 SEP 94)	359,184									
c. Authorization Not Yet In Inventory:	49,330									
d. Authorization Requested In This Program:	12,874									
e. Authorization Included In Following Program: (FY 1997)	10,470									
f. Planned In Next Four Program Years:	33,550									
g. Remaining Deficiency:	36,490									
h. Grand Total:	501,898									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
211-111	SAILPLANE HANGAR	40,000 SF	3,724	AUG 94	JUN 95					
740-884	CHILD DEVELOPMENT CENTER	23,700 SF	4,200	JAN 94	JAN 95					
821-117	UPGRADE FACILITIES HEATING SYSTEM	22,350 MB	4,950	JUL 93	SEP 94					
TOTAL: 12,874										
9a. Future Projects: Included in the Following Program (FY 1997)										
171-853	UPGRADE ACADEMIC FACILITY	115,000 SF	10,470							
TOTAL: 10,470										
9b. Future Projects: Typical Planned Next Four Years:										
171-853	REPAIR USAF ACADEMY ACADEMIC TRAINING	LS	11,000							
171-853	UPGRADE ACADEMIC FACILITY, PHASE II	109,650 SF	11,000							
610-284	RENOVATE MAJOR COMMAND HEADQUARTERS	60,000 SF	4,300							
724-433	ADD TO AND ALTER PREP SCHOOL DORMITORIES	45,543 SF	3,450							
740-681	ADD TO AND ALTER CADET SOCIAL CENTER	5,000 SF	2,500							
10. Mission or Major Functions: Responsible for providing education and training for cadets to become Air Force officers and includes a T-41/T-3 flying training squadron; and an air base wing.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		4. PROJECT TITLE SAILPLANE HANGAR		
5. PROGRAM ELEMENT 8.58.96	6. CATEGORY CODE 211-111	7. PROJECT NUMBER XQPZ930030	8. PROJECT COST (\$000) 3,724	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SAILPLANE HANGAR	SF	40,000	79	3,160
SUPPORTING FACILITIES				180
UTILITIES	LS			( 50)
PAVEMENTS	LS			( 65)
SITE IMPROVEMENTS	LS			( 50)
DEMOLITION	SF	7,200	2	( 15)
<b>SUBTOTAL</b>				<b>3,340</b>
CONTINGENCY (5%)				167
<b>TOTAL CONTRACT COST</b>				<b>3,507</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				210
<b>TOTAL REQUEST</b>				<b>3,717</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>3,724</b>

10. Description of Proposed Construction: Reinforced concrete footings, foundation and floor slab, pre-cast concrete walls, insulated walls and roof, fire protection system, utilities and necessary support. Open area for storage and maintenance of sailplanes. Provide extension of existing aircraft access pavement. Demolish one temporary hangar (7200 SF).

11. REQUIREMENT: 40,000 SF ADEQUATE: 0 SUBSTANDARD: 7,200 SF

PROJECT: Construct a sailplane hangar. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A hangar is required to protect sailplanes and motorgliders from adverse weather conditions. Participation in the Academy soaring program is a graduation requirement. The program provides cadets with knowledge in airmanship, situational awareness, cross-country procedures, and training in high altitude procedures.

CURRENT SITUATION: The Academy currently possesses 18 sailplanes and 9 motorgliders. Eight additional sailplanes and two motorgliders are being procured. Presently aircraft are either crammed into existing facilities or must be disassembled each day and stored in trailers. The lack of adequate hangar space will be compounded with the arrival of additional sailplanes and motorgliders. Further, most sailplanes and motorgliders will be displaced from their present hangar space by seven T-41 and three C-150 aircraft which are being displaced by the new Enhanced Flight Screener (EFS) T-3A aircraft in the fall of 1994. Continued disassembly and reassembly of aircraft is a time consuming process which seriously hinders flight training. Disassembly and reassembly of aircraft also introduces safety risks which could lead to catastrophic consequences. Also, these aircraft are made from fragile composite materials which are extremely sensitive to damage from sunlight, high winds, water, and hail.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE SAILPLANE HANGAR	5. PROJECT NUMBER XQPZ930030	

Exposure to these conditions, over a long period of time, can weaken the airframe structure up to 85 percent. The Academy experiences severe weather on a recurring basis. Winds over 35 knots occur on the average of 134 days per year and hail, at least 1/4 inches in diameter, falls on an average of 15 days per year. This project will allow demolition of a temporary hangar facility.

IMPACT IF NOT PROVIDED: Adequate hangar space for sailplanes and motorgliders will not be available. The soaring program will continue to be an inefficient operation because aircraft must be constantly disassembled and reassembled. The potential for an aircraft incident, due to this mode of operation, will continue. Aircraft will be exposed to the harsh local weather conditions causing extensive aircraft damage. Expensive repairs will be required and the mission will suffer because of the time required to carry out these repairs. Expected airframe lives of the sailplanes and gliders will be dramatically reduced without this project.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements." The scope of this project is based on actual aircraft dimensions and established safety criteria. An economic analysis has been prepared comparing the alternatives of new construction and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE  SAILPLANE HANGAR	5. PROJECT NUMBER  XQPZ930030	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 12	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 27	
(e) Date Design Complete	95 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	190	
(b) All Other Design Costs	155	
(c) Total	345	
(d) Contract	230	
(e) In-house	115	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		4. PROJECT TITLE CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT 8.58.96	6. CATEGORY CODE 740-884	7. PROJECT NUMBER XQPZ930036	8. PROJECT COST (\$000) 4,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	23,700	120	2,844
SUPPORTING FACILITIES				935
UTILITIES	LS			( 200)
SITE IMPROVEMENTS	LS			( 200)
PAVEMENTS	LS			( 200)
PLAYGROUND EQUIPMENT	LS			( 125)
DEMOLITION	SF	10,600	20	( 210)
<u>SUBTOTAL</u>				3,779
CONTINGENCY (5%)				189
TOTAL CONTRACT COST				3,968
SUPERVISION, INSPECTION AND OVERHEAD (6%)				238
TOTAL REQUEST				4,206
TOTAL REQUEST (ROUNDED)				4,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(127)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes playground equipment, pavements, fencing, access drive, parking, utilities, site improvements, and all necessary support. Demolish three sub-standard facilities (10,649 SF).				
Air Conditioning: 60 Tons.				
11. REQUIREMENT: 35,369 SF ADEQUATE: 11,669 SF SUBSTANDARD: 10,649 SF				
<u>PROJECT:</u> Construct a child development center. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 354 dependent children. A properly sized and functionally configured child development center is needed to provide supervised care for children ages six weeks through twelve years. Adequate child care facilities must be provided to accommodate the special requirements placed on military and civilian families as well as single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early development care for children. The facility must provide areas for multiple program operations, allow simultaneous care of different age groups, provide space for parent involvement through conferences/workshops, and support family day care and training programs.				
<u>CURRENT SITUATION:</u> Presently, services are provided in one permanent and two temporary facilities. The permanent facility supporting 105 children is in adequate condition and will continue to be used. The temporary facilities have several fire deficiencies which endanger the occupants as well as threaten loss of accreditation. Temporary waivers allow use of				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER	XQPZ930036
<p>the facilities for a limited time. Existing facilities can support a total of 220 children. Daily attendance at the centers averages 220, or 100%. Currently the waiting list ranges between 65 and 120 children. The actual number of children not being accommodated is higher because many parents do not bother placing their children on the list once they learn the required waiting period. This project will provide a facility to serve a total of 249 children. Many Academy employees must attempt to find accredited off-base child care facilities 10-23 miles away because of the long waiting list. Only 14 out of 110 local centers are accredited, and Academy personnel are eligible to use only 8 of these. Local accredited centers have long waiting lists, forcing Academy personnel to use nonaccredited centers. Due to space limitations, drop-in services cannot be provided. The permanent child development center cannot be expanded in any direction since it has a main arterial road to the south, AAFES gas station to the west, and steep rugged slopes on the north and east. This project will allow removal of two temporary facilities and demolition of a sub-standard building formerly used for child care. Child care provided at the Academy averages \$48 per week per child and averages \$120 per week per child on the local economy.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Personnel will be forced to find other more expensive and unaccredited child care services off the installation 10-23 miles away. This inability to provide safe and worry-free child care and preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction and status quo operation. Based on net present value and benefits of the respective alternatives, new construction was found to be the more cost effective alternative over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION  UNITED STATES AIR FORCE ACADEMY, COLORADO			
4. PROJECT TITLE  CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER  XQPZ930036		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	94 JAN 23		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	100%		
(d) Date 35% Designed.	94 APR 12		
(e) Date Design Complete	95 JAN 03		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	228		
(b) All Other Design Costs	251		
(c) Total	479		
(d) Contract	361		
(e) In-house	118		
(4) Construction Start 96 JAN			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
CHILD DEV CTR EQUIPMENT	3080	95	127

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		4. PROJECT TITLE UPGRADE FACILITIES HEATING SYSTEM		
5. PROGRAM ELEMENT 8.58.96	6. CATEGORY CODE 821-117	7. PROJECT NUMBER XQPZ920033	8. PROJECT COST (\$000) 4,950	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE FACILITIES HEATING SYSTEM				2,880
INSTALL 7 INDIVIDUAL BOILERS	EA	7	411,430	(2,880)
SUPPORTING FACILITIES				1,360
DEMOLITION	SF	4,950	48	(240)
ASBESTOS REMOVAL	LS			(360)
REMOVE UNDERGROUND STORAGE TANKS	EA	2	45,000	(90)
SITE RESTORATION	LS			(20)
UTILITIES	LS			(650)
SUBTOTAL				4,240
CONTINGENCY (10%)				424
TOTAL CONTRACT COST				4,664
SUPERVISION, INSPECTION AND OVERHEAD (6%)				280
TOTAL REQUEST				4,944
TOTAL REQUEST (ROUNDED)				4,950

10. Description of Proposed Construction: Demolish existing high temperature hot water (HTHW) heat plant (4950 SF) and provide seven individual natural gas-fired hot water boilers to support seven existing facilities. Demolition includes removal of asbestos and underground fuel storage tanks. Abandon underground HTHW distribution system in place. Project includes all utilities and necessary support.

11. REQUIREMENT: 10 MB ADEQUATE: 0 SUBSTANDARD: 60 MB  
PROJECT: Upgrade facilities heating system. (Current Mission)  
REQUIREMENT: This is a Level I Commander's Facility assessment requirement. A reliable and functional heat supply is required for facilities located within the service and supply area of the Air Force Academy for at least eight months of the year. The security police, civil engineer, civilian personnel, vehicle maintenance, and logistics functions occupy approximately 308,000 SF within this area and are dependent upon an extremely deteriorated and antiquated heating system. The existing system, consisting of a central heat plant and underground distribution system, is on the verge of failure and is expensive to operate and maintain. This project will provide stand-alone heating systems at each facility within the area, significantly saving energy and lowering operating costs.

CURRENT SITUATION: The existing heat plant has two 30 million BTUH high temperature hot water (HTHW) boilers supplying heat to seven outlying buildings. The boilers are 33 years old; well beyond their expected useful life. Further, boilers are oversized by 300% for the peak heating load. Operation at this level is extremely inefficient. Detailed inspections of the boilers indicate they must be replaced no later than 1996 to avoid total plant failure and loss of heat to mission essential

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE FACILITIES HEATING SYSTEM	XQPZ920033	

facilities. Several companies that manufactured HTHW boilers have discontinued this product line or have gone out of business. Therefore, the availability of replacement parts to properly maintain these boilers is questionable for the future. Only one known company continues to manufacture boilers larger than 10 million BTUH. Further, boiler control and safety systems are obsolete and require replacement. Existing pumps and valves require major overhaul or replacement. The underground distribution system has developed several major leaks in its outer casing and complete failure is imminent. The exterior metal skin of the heat plant building is perforated with rust and requires replacement. A detailed technical analysis of available options was conducted to determine the best course of action. The analysis reflects the most economical solution is to decentralize the heat plant. The existing heat plant is manned 24 hours a day at a cost of \$260,000 per year. The system proposed will require only periodic inspections and can be remotely controlled and monitored providing significant manpower savings.

IMPACT IF NOT PROVIDED: A high probability of total heat plant failure, with subsequent loss of heat to mission essential facilities, will continue. Energy will be lost as a result of the inefficient system. The underground distribution system will continue to lose 9,325 million BTUH or \$27,000 per year. The opportunity to save \$287,000 per year in energy and manpower costs will be lost. Failure to fund this project will force the Academy to spend a minimum of \$1.4 million in 1996 to keep the plant operational; an investment in outdated technology which will also prolong unnecessary manpower and energy costs.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of decentralization, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, decentralization was found to be the most cost efficient over the life of the project.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE UPGRADE FACILITIES HEATING SYSTEM	5. PROJECT NUMBER XQPZ920033	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 12	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	93 OCT 28	
(e) Date Design Complete	94 SEP 03	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	271	
(b) All Other Design Costs	162	
(c) Total	433	
(d) Contract	323	
(e) In-house	110	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>DOVER AIR FORCE BASE, DELAWARE</b>			4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX <b>1.03</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	396	3676	1233				3	29	592	5,929
b. End FY 2000	372	3468	1132				3	29	592	5,596
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,936)									221,383	
b. Inventory Total As Of: (30 SEP 94)									43,200	
c. Authorization Not Yet In Inventory:									5,500	
d. Authorization Requested In This Program:									0	
e. Authorization Included In Following Program: (FY 1997)									31,050	
f. Planned In Next Four Program Years:									17,000	
g. Remaining Deficiency:									318,133	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	<u>PROJECT TITLE</u>			<u>SCOPE</u>	COST (\$000)	<u>DESIGN STATUS</u>			<u>START</u>	<u>CMPL</u>
						<u>CODE</u>	<u> </u>	<u> </u>		
141-753	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			31,200 SF	5,500	AUG 94	SEP 95			
				TOTAL:	5,500					
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
121-122	REPAIR HYDRANT FUELING SYSTEM			LS	16,000					
130-142	FIRE/CRASH RESCUE STATION			14,500 SF	2,300					
141-454	SPECIAL OPERATIONS			20,000 SF	2,650					
610-249	WING HEADQUARTERS FACILITY			7,000 SF	1,200					
721-312	DORMITORY			350 PN	4,400					
10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									1,600	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		4. PROJECT TITLE C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FJXT953002	8. PROJECT COST (\$000) 5,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY	SF	31,200	125	3,900
SUPPORTING FACILITIES				1,085
UTILITIES	LS			( 195)
SITE IMPROVEMENTS	LS			( 75)
PAVEMENTS	SY	4,000	35	( 140)
ELEVATOR	EA	1	100,000	( 100)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	41,000	14	( 575)
SUBTOTAL				4,985
CONTINGENCY (5%)				249
TOTAL CONTRACT COST				<u>5,234</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				<u>5,548</u>
TOTAL REQUEST (ROUNDED)				5,500

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, demolition and asbestos removal, and all necessary support.

Air Conditioning: 60 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, flight planning, mobility office, briefing/debriefing, training and testing, tool rooms, technical order library, flying/ground safety, standardization/evaluation, locker rooms, bench stock, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at Dover AFB. The AMU's are housed in interim facilities which are approved for use only until this project is completed. The airlift operation's squadrons are housed in substandard and physically separated facilities. These

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE  C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER  FJXT953002	
<p>facilities are crowded and inefficient. Additional space is required for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project two substandard facilities totalling 41,000 SF will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER FJXT953002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 26	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 13	
(e) Date Design Complete	95 SEP 08	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	330	
(b) All Other Design Costs	330	
(c) Total	660	
(d) Contract	460	
(e) In-house	200	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA			4. COMMAND AIR FORCE DISTRICT OF WASHINGTON					5. AREA CONST COST INDEX 1.03		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	626	1618	965				1	39	217	3,466
b. End FY 2000	612	1573	915				1	39	217	3,357
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 607)										
b. Inventory Total As Of: (30 SEP 94)	242,110									
c. Authorization Not Yet In Inventory:	11,400									
d. Authorization Requested In This Program:	12,100									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	23,477									
g. Remaining Deficiency:	18,500									
h. Grand Total:	307,587									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL		
721-312	ALTER DORMITORY				378 PN	6,500	MAY 94	SEP 95		
721-312	HONOR GUARD DORMITORY				74 PN	5,600	AUG 94	SEP 95		
					TOTAL: 12,100					
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
214-425	ADDITION VEHICLE MAINTENANCE FACILITY				6,000 SF	1,500				
442-758	MOBILITY SUPPORT CENTER				11,300 SF	1,750				
730-441	CONSOLIDATED SUPPORT CENTER				80,000 SF	5,397				
730-773	ADDITION TO CHAPEL				2,500 SF	430				
740-674	PHYSICAL FITNESS CENTER				40,000 SF	6,000				
10. Mission or Major Functions: Supports Air Force personnel in the National Capitol Region. Headquarters USAF functions include Chief of Chaplains, Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Support Agency; USAF Band; and USAF Honor Guard.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA		4. PROJECT TITLE ALTER DORMITORY		
5. PROGRAM ELEMENT 9.12.12A	6. CATEGORY CODE 721-312	7. PROJECT NUMBER BXUR870201	8. PROJECT COST (\$000) 6,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORY (378 PN)				5,376
ALTERATION	SF	192,000	26	(4,992)
AUTOMATIC SPRINKLER PROTECTION	SF	192,000	2	(384)
SUPPORTING FACILITIES				200
ASBESTOS REMOVAL	LS			(200)
SUBTOTAL				5,576
CONTINGENCY (10%)				558
TOTAL CONTRACT COST				6,134
SUPERVISION, INSPECTION AND OVERHEAD (6%)				368
TOTAL REQUEST				6,502
TOTAL REQUEST (ROUNDED)				6,500
10. Description of Proposed Construction: Alters existing nine-story facility to provide room-bath-room configuration. Convert existing centrally located latrines to storage areas. Replace existing windows, upgrade utility systems, upgrade interior walls, and upgrade lobby and vending areas. Project includes fire protection and necessary support.				
Air Conditioning: 300 Tons. Grade Mix: 378 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Alter dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, safety, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 378 personnel: 378 E1-E4, with a maximum utilization of 378 personnel.				
<u>CURRENT SITUATION:</u> The existing nine-story dormitory facility was constructed in 1968 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Dormitory residents must share central latrine facilities offering little, if any, personal privacy. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing shift workers from getting necessary rest. Further, the antiquated lighting fixtures do not provide adequate illumination and contribute to the poor living environment. Existing				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA</b>		
4. PROJECT TITLE <b>ALTER DORMITORY</b>	5. PROJECT NUMBER <b>BXUR870201</b>	
<p>single pane windows allow air infiltration and are energy inefficient. There is no centralized storage area causing wasted living space and cluttered rooms.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will not have a viable option for correcting this troop housing deficiency. Substandard living conditions will continue to persist and degrade the morale, productivity and career satisfaction of the enlisted force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost efficient over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA		
4. PROJECT TITLE ALTER DORMITORY	5. PROJECT NUMBER	BXUR870201
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	50%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	325	
(b) All Other Design Costs	225	
(c) Total	550	
(d) Contract	475	
(e) In-house	75	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE		4. PROJECT TITLE HONOR GUARD DORMITORY		
5. PROGRAM ELEMENT 9.12.12A	6. CATEGORY CODE 721-312	7. PROJECT NUMBER BXUR951037	8. PROJECT COST (\$000) 5,600	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
HONOR GUARD DORMITORY	LS			3,235	
DORMITORY (72 PN)	SF	25,600	105	(2,688)	
TRAINING FACILITY	SF	5,500	90	(495)	
AUTOMATIC SPRINKLER PROTECTION	SF	26,000	2	(52)	
SUPPORTING FACILITIES				1,755	
UTILITIES	LS			(250)	
PAVEMENTS	LS			(50)	
SITE IMPROVEMENTS	LS			(200)	
SPECIAL FOUNDATIONS	LS			(900)	
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	23,500	15	(355)	
SUBTOTAL				4,990	
CONTINGENCY (5%)				250	
TOTAL CONTRACT COST				5,240	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314	
TOTAL REQUEST				5,554	
TOTAL REQUEST (ROUNDED)				5,600	

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, site improvement and demolition of an existing facility. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Provide a one-story, vaulted ceiling structure, masonry construction, fire protection and site improvements.

Air Conditioning: 70 Tons. Grade Mix: 72 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct dormitory and training facility. (Current Mission)  
REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 72 personnel: 72 E1-E4, with a maximum utilization 72 personnel.

CURRENT SITUATION: The existing three-story dormitory facility was constructed in 1955 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Each room is less than 150 square feet and personnel share a 25 square foot shower/latrine area between each set of rooms. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing the Honor Guard members from getting necessary rest. There is no centralized storage area causing wasted living space and cluttered rooms. This facility provides

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE		
4. PROJECT TITLE HONOR GUARD DORMITORY	5. PROJECT NUMBER	BXUR951037

centralized supply, administrative, armory and briefing areas for the Air Force Honor Guard. The existing training facility is a temporary facility that does not provide an adequately configured, permanent structure for the Honor Guard training operations with other services.

IMPACT IF NOT PROVIDED: Adequate living quarters and training areas will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operations. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  BOLLING AIR FORCE BASE		
4. PROJECT TITLE  HONOR GUARD DORMITORY	5. PROJECT NUMBER  BXUR951037	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	94 AUG 01
(b) Parametric Cost Estimates used to develop costs	N
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	95 JAN 01
(e) Date Design Complete	95 SEP 01
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	330
(b) All Other Design Costs	225
(c) Total	555
(d) Contract	555
(e) In-house	
(4) Construction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA				4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 0.98		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	145	193	233							571
b. End FY 2000	147	189	225							561
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 15,857)										
b. Inventory Total As Of: (30 SEP 94)	490,327									
c. Authorization Not Yet In Inventory:	65,800									
d. Authorization Requested In This Program:	1,600									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	4,000									
g. Remaining Deficiency:	41,516									
h. Grand Total:	603,243									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS		START	CMPL	
				(\$000)	LS	MAY	94			FEB
179-511	FIRE TRAINING FACILITY			1,600	LS					
				TOTAL:	1,600					
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
831-165 SEWAGE TREATMENT & DISPOSAL LS 4,000										
10. Mission or Major Functions: Three space launch squadrons and a space systems squadron which support operational and test launches of missiles, satellites, and space vehicles in equatorial and synchronous orbits. Also, supports interplanetary space activities, and major tenants such as NASA, and Army, Navy and Coast Guard units.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	7,000									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 3.58.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER DBEH963014	8. PROJECT COST (\$000) 1,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			1,050
SUPPORTING FACILITIES				365
SITE IMPROVEMENTS	LS			( 75)
UTILITIES	LS			( 50)
ARTERIAL ACCESS ROAD	LF	2,500	96	( 240)
<b>SUBTOTAL</b>				<b>1,415</b>
CONTINGENCY (5%)				71
<b>TOTAL CONTRACT COST</b>				<b>1,486</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				89
<b>TOTAL REQUEST</b>				<b>1,575</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>1,600</b>
10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; large-frame aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; access road; and necessary support.				
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA <u>PROJECT:</u> Construct a fire training facility. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). Construct a fire training facility (FTF) which meets CWA, Clean Air Act, and Resource Conservation and Recovery Act (RCRA) requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and ground water. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility, which complies with all applicable criteria and environmental requirements, on every major Air Force installation to meet fire training requirements. In this case, this proposed new facility will consolidate the fire training functions for Cape Canaveral Air Force Station (CCAFS) and Patrick AFB. <u>CURRENT SITUATION:</u> The old fire training areas at Cape Canaveral and Patrick AFB violated Environmental Protection Agency (EPA) and Florida state pollution standards, and were closed in 1984 and 1991, respectively. Since these closings, firefighters at these bases have not had a crash rescue fire training facility on base at which to train and maintain the required level of proficiency in both fire fighting and the protection of				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
<b>FIRE TRAINING FACILITY</b>		DBEH963014
<p>Air Force personnel and resources. Their training has been accomplished at other locations and has consisted only of structural fire fighting once each year; they have had no opportunity for crash rescue fire training.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Fire fighters at Cape Canaveral and Patrick AFB will continue to have no facility for crash response fire training. Without the stress and realism possible only with live fires, these fire fighters will continue to lose proficiency in combating fires. Potential for loss of life and aircraft is significantly increased. Federal Aviation Administration and Air Force requirements and standards will not be met.</p> <p><b>ADDITIONAL:</b> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project, and new construction was determined to be the optimum solution.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CAPE CANAVERAL AIR FORCE STATION, FLORIDA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER DBEH963014	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 17	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	95%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 FEB 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	EGLIN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	96	
(b) All Other Design Costs	60	
(c) Total	156	
(d) Contract	156	
(e) In-house		
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.73			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	1408	6112	3716				32	274	500	12,042
b. End FY 2000	1354	6047	3500				32	274	500	11,707
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 463,117) b. Inventory Total As Of: (30 SEP 94) 637,833 c. Authorization Not Yet In Inventory: 11,850 d. Authorization Requested In This Program: 6,200 e. Authorization Included In Following Program: (FY 1997) 8,500 f. Planned In Next Four Program Years: 19,300 g. Remaining Deficiency: 71,800 h. Grand Total: 755,483										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
111-111	REPAIR RUNWAY	343,300 SY	6,200	NOV 93	JAN 95					
		TOTAL:	6,200							
9a. Future Projects: Included in the Following Program (FY 1997)										
721-312	UPGRADE DORMITORY	550 PN	7,300							
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	1,200	TURN KEY						
		TOTAL:	8,500							
9b. Future Projects: Typical Planned Next Four Years:										
113-321	REPLACE AIRCRAFT PARKING APRON	90,000 SF	8,000							
211-152	ALTER GENERAL PURPOSE AIRCRAFT MAINTENANCE SHOP	88,000 SF	3,500							
211-159	ALTER CORROSION CONTROL FACILITY	1 EA	1,900							
219-944	TEST MUNITIONS FACILITY	3,000 SF	500							
315-237	CLASS AIRCRAFT TEST SUPPORT FACILITY	20,000 SF	5,400							
10. Mission or Major Functions: Air Force Development Test Center; a test wing; an air base wing; Air Combat Command fighter wing with three F-15 squadrons; the USAF Air Warfare Center with F-15 and F-16 aircraft; and an Air Force Special Operations Command HC-130 special operations squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a.	Air pollution:		5,400							
b.	Water pollution:		1,200							
c.	Occupational safety and health:		1,900							
d.	Other Environmental:		0							

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE REPAIR RUNWAY		
5. PROGRAM ELEMENT 7.28.06	6. CATEGORY CODE 111-111	7. PROJECT NUMBER FTFA963033	8. PROJECT COST (\$000) 6,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPAIR RUNWAY	SY	343,300		4,915
ASPHALT OVERLAY	SY	340,000	13	(4,420)
REPLACE CONCRETE SLABS	SY	3,300	150	(495)
SUPPORTING FACILITIES				430
AIRFIELD PAVEMENT MARKINGS	LS			(150)
UTILITIES/LIGHTING	LS			(280)
SUBTOTAL				5,345
CONTINGENCY (10%)				535
TOTAL CONTRACT COST				5,880
SUPERVISION, INSPECTION AND OVERHEAD (6%)				353
TOTAL REQUEST				6,233
TOTAL REQUEST (ROUNDED)				6,200
10. Description of Proposed Construction: Remove 3 to 4 inches of runway surface and overlay with new asphalt; replace damaged concrete slabs on both ends of the runway; re-paint pavement markings, install airfield lighting, utilities, and necessary support.				
11. REQUIREMENT: 343,300 SY ADEQUATE: 0 SUBSTANDARD: 343,300 SY <u>PROJECT:</u> Repair a runway. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. Provide adequate airfield surfaces to continue existing flying missions at Eglin Air Force Base. This particular runway serves the 46th Test Wing, the 33rd Fighter Wing and the Okaloosa County Air Terminal. The primary aircraft operating out of Eglin AFB include the F-15, F-16, F-111, DC-9, KC-135 and the C-130. As of April 1992, transient and permanently assigned fighter/test aircraft logged over 39,000 take-offs and landings per year from the base's two runways. <u>CURRENT SITUATION:</u> There are cracked and spalled concrete slabs and weathering on this runway, and the asphalt is rapidly deteriorating. Various concrete slabs in the touchdown areas at both ends of the runway are shattered and need to be replaced. Pieces of aggregate have come loose, creating foreign object damage (FOD) hazards which could be ingested into jet engine intakes. FOD causes thousands of dollars worth of engine damage and aircraft crashes from resulting engine failure. Excessive maintenance is required to maintain safety from FOD. The Air Force Civil Engineering Support Agency at Tyndall AFB, Florida, is responsible for evaluating the performance and conditions of airfield pavements throughout the Air Force. In April 1992 they evaluated this pavement and recommended that the entire runway be repaired as soon as possible.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE REPAIR RUNWAY	5. PROJECT NUMBER FTFA963033	
<p><u>IMPACT IF NOT PROVIDED:</u> Runway will continue to present an unacceptable FOD hazard to aircraft and there will be an increased potential for accidents or damage caused by failing runway surfaces. The runway will have to be closed to aircraft creating an adverse impact on Eglin missions.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present value and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE REPAIR RUNWAY	5. PROJECT NUMBER FTFA963033	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	93 NOV 30
(b) Parametric Cost Estimates used to develop costs	N
(c) Percent Complete as of Jan 1995	100%
(d) Date 35% Designed.	94 APR 15
(e) Date Design Complete	95 JAN 15

(2) Basis:

(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications	324
(b) All Other Design Costs	162
(c) Total	486
(d) Contract	
(e) In-house	486

(4) Construction Start 96 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.75				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
a. As of 30 SEP 94	793	3798	1010	69			31	29	103	5,833	
b. End FY 2000	726	3643	930	69			31	29	103	5,531	
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 28,906)											
b. Inventory Total As Of: (30 SEP 94)	241,692										
c. Authorization Not Yet In Inventory:	2,600										
d. Authorization Requested In This Program:	1,200										
e. Authorization Included In Following Program: (FY 1997)	0										
f. Planned In Next Four Program Years:	5,300										
g. Remaining Deficiency:	17,000										
h. Grand Total:	267,792										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS			CMPL		
				(\$000)	LS	START	DEC				
179-511	FIRE TRAINING FACILITY		1,200	MAR 94	DEC 94	TOTAL:	1,200				
9a.	Future Projects: Included in the Following Program (FY 1997) NONE										
9b.	Future Projects: Typical Planned Next Four Years:										
149-962	CONTROL TOWER		1 EA	2,700							
218-712	AIRCRAFT EQUIPMENT MAINTENANCE SHOP		17,000 SF	2,600							
10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).											
11. Outstanding pollution and safety (OSH) deficiencies:											
a.	Air pollution:	0									
b.	Water pollution:	0									
c.	Occupational safety and health:	0									
d.	Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER XLWU953001	8. PROJECT COST (\$000) 1,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			900
SUPPORTING FACILITIES				170
UTILITIES	LS			( 70)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
SUBTOTAL				1,070
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				<u>1,124</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				67
TOTAL REQUEST				1,191
TOTAL REQUEST (ROUNDED)				1,200
10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.				
<p>11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA</p> <p><u>PROJECT:</u> Construct a fire training facility. (Current Mission)</p> <p><u>REQUIREMENT:</u> This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.</p> <p><u>CURRENT SITUATION:</u> The existing facility does not meet the CWA requirements and has been closed since January 1992; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not meet Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support these requirements. The existing site is currently designated as an Installation Restoration Program (IRP) site and is undergoing remedial investigation funded by Defense Environmental Restoration Account (DERA).</p>				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER XLWU953001	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE  FIRE TRAINING FACILITY	5. PROJECT NUMBER  XLWU953001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 25	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	94 JUN 17	
(e) Date Design Complete	94 DEC 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	49	
(b) All Other Design Costs	25	
(c) Total	74	
(d) Contract	49	
(e) In-house	25	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>MOODY AIR FORCE BASE, GEORGIA</b>			4. COMMAND <b>AIR COMBAT COMMAND</b>				5. AREA CONST COST INDEX <b>0.85</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	376	3199	459				1	11	33	4,079
b. End FY 2000	396	3206	356				1	11	33	4,003
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,931)										
b. Inventory Total As Of: (30 SEP 94)	131,831									
c. Authorization Not Yet In Inventory:	31,480									
d. Authorization Requested In This Program:	12,890									
e. Authorization Included In Following Program: (FY 1997)	13,300									
f. Planned In Next Four Program Years:	11,850									
g. Remaining Deficiency:	22,810									
h. Grand Total:	224,161									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN</u>	<u>STATUS</u>	<u>START</u>	<u>CMPY</u>			
CODE										
141-232	C-130 AERIAL DELIVERY FACILITY	24,000 SF	4,600	AUG 94	SEP 95					
141-753	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	20,000 SF	3,200	AUG 94	SEP 95					
149-962	CONTROL TOWER	1 EA	2,700	JAN 94	OCT 95					
211-159	C-130 AIRCRAFT WASHRACK FACILITY	32,100 SF	1,700	SEP 93	FEB 95					
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	690	JUL 94	OCT 95					
TOTAL:						12,890				
9a. Future Projects: Included in the Following Program (FY 1997)										
111-111	REPAIR AND EXTEND RUNWAY	LS	12,300							
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES	LS	1,000							
TOTAL:						13,300				
9b. Future Projects: Typical Planned Next Four Years:										
610-129	WEAPONS SYSTEMS MAINT MGT FAC	45,000 SF	4,000							
721-312	ALTER DORMITORY	156 PN	2,300							
722-351	DINING FACILITY	10,000 SF	1,500							
740-675	RECREATION LIBRARY	8,000 SF	1,050							
880-211	FIRE PROTECTION	168,423 SF	3,000							
10. Mission or Major Functions: A composite wing with two F-16 squadrons, an A/OA-10 squadron, and a C-130 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	3,000									
b. Water pollution:	7,190									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		4. PROJECT TITLE C-130 AERIAL DELIVERY FACILITY		
5. PROGRAM ELEMENT 2.72.31	6. CATEGORY CODE 141-232	7. PROJECT NUMBER HTAC943050	8. PROJECT COST (\$000) 4,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 AERIAL DELIVERY FACILITY	SF	24,000	130	3,120
SUPPORTING FACILITIES				990
UTILITIES	LS			( 200)
SITE IMPROVEMENTS	LS			( 200)
PAVEMENTS	LS			( 300)
FIRE PROTECTION SYSTEM	LS			( 290)
<b>SUBTOTAL</b>				<b>4,110</b>
CONTINGENCY (5%)				206
<b>TOTAL CONTRACT COST</b>				<b>4,316</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				259
<b>TOTAL REQUEST</b>				<b>4,575</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>4,600</b>
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, pre-engineered metal building structure with prefinished metal walls, standing seam metal roof, fire suppression system, monorail and hoist utilities, and other necessary support as required to provide a complete and usable facility. Area includes one large work bay with general purpose maintenance and support areas attached.				
Air Conditioning: 50 Tons.				
11. REQUIREMENT: 24,000 SF ADEQUATE: 0 SUBSTANDARD: 0				
<u>PROJECT:</u> Construct a C-130 aerial delivery facility. (New Mission)				
<u>REQUIREMENT:</u> An adequate fully covered facility is required for parachute packing, maintenance, rigging, and buildup of 10,000 pound pallets used for low altitude aircraft parachute extraction system delivery. Area includes one large work bay with general purpose maintenance and support areas attached. Facility requirement includes classrooms, maintenance support, and storage space. The aircraft pallets which are prepared in this facility are used by C-130 cargo aircraft for aerial delivery of military supplies and equipment in direct support of training and contingency missions. This requirement supports beddown of the composite wing.				
<u>CURRENT SITUATION:</u> Prior to beddown of C-130 aircraft and the new composite wing, the base had only fighter aircraft as its mission. There is no aerial delivery facility, large aircraft maintenance hangar, or any other facilities at the installation which can be used to adequately meet this requirement. This work is currently accomplished using a hangar facility that is not fully enclosed, improperly configured, and not large enough to accommodate aerial delivery requirements. Operations cannot be accomplished efficiently and professionally, and equipment is constantly				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 AERIAL DELIVERY FACILITY	HTAC943050	
<p>exposed to outdoor weather conditions which degrade the reliability and life of the equipment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Required work associated with the rigging of supplies for air drops or extractions and other related functions will not be performed within a protected environment. Mission training and operational capability of the C-130 squadron will be seriously impacted and may not be able to operate as required.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/remove, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE C-130 AERIAL DELIVERY FACILITY	5. PROJECT NUMBER HTAC943050	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	30%	
(d) Date 35% Designed.	95 MAR 01	
(e) Date Design Complete	95 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	276	
(b) All Other Design Costs	92	
(c) Total	368	
(d) Contract	280	
(e) In-house	88	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		4. PROJECT TITLE C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		
5. PROGRAM ELEMENT 2.72.31	6. CATEGORY CODE 141-753	7. PROJECT NUMBER HTAC943042	8. PROJECT COST(\$000) 3,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY	SF	24,000		2,400
SQUADRON OPERATIONS FACILITY	SF	14,000	100	(1,400)
AIRCRAFT MAINTENANCE UNIT FACILITY	SF	10,000	100	(1,000)
SUPPORTING FACILITIES				470
UTILITIES	LS			( 145)
SITE IMPROVEMENTS	LS			( 110)
PAVEMENTS	LS			( 125)
SECURE ROOMS (CLASSIFIED STORAGE)	SF	1,500	60	( 90)
SUBTOTAL				2,870
CONTINGENCY (5%)				<u>144</u>
TOTAL CONTRACT COST				3,014
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>181</u>
TOTAL REQUEST				3,195
TOTAL REQUEST (ROUNDED)				3,200
10. Description of Proposed Construction: All materials and labor required to construct facilities of steel, split faced masonry, reinforced concrete and all utilities, fire suppression systems, and all necessary support. Also construct a classified materials storage and review area within the operations facility.				
Air Conditioning: 60 Tons.				
11. REQUIREMENT: 60,000 SF ADEQUATE: 36,000 SF SUBSTANDARD: 0				
<u>PROJECT:</u> Construct a Squadron Operations/ Aircraft Maintenance Unit facility (Sq Ops/AMU). (New Mission)				
<u>REQUIREMENT:</u> A combined functions facility is required to provide both an adequate squadron operations space for planning, briefing, administration, support, and critique of combat air crews for C-130 aircraft, and adequate logistics space for a C-130 AMU to include equipment storage, tool kit storage, tool crib, bench stock, and offices. This action supports the beddown of the Composite Wing at Moody AFB. The C-130's squadron began arriving during the third quarter of FY 94 and the squadron is now at full strength.				
<u>CURRENT SITUATION:</u> Space does not exist to house an additional squadron operations and AMU for a C-130 aircraft squadron. The current force structure is three F-16 squadrons. The projected Composite Wing force structure is four squadrons (two F-16, one A/OA-10, and one C-130). The base currently has facilities for only 3 squadrons. The C-130 squadron, which is already at Moody, is using a fighter hangar for its squadron operations facility. However, this facility does not provide the necessary room, equipment, or support to properly conduct mission planning and briefings. It also does not provide adequate space for logistics/maintenance functions.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE  C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER  HTAC943042	
<p><u>IMPACT IF NOT PROVIDED:</u> Adequate facilities will not be available to perform essential squadron operations and logistics functions, forcing additional work arounds that will degrade the mission performance of the C-130 squadron and reduce their mission capability. Squadron personnel will continue to perform mission functions in an aircraft maintenance hangar, degrading the existing C-130 mission and limiting maintenance functions for other aircraft in the hangar.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	HTAC943042	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 94 AUG 01
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 95 JAN 01
  - (e) Date Design Complete 95 SEP 01
- (2) Basis:
  - (a) Standard or Definitive Design - YES
  - (b) Where Design Was Most Recently Used - LITTLE R
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 192
  - (b) All Other Design Costs 64
  - (c) Total 256
  - (d) Contract 200
  - (e) In-house 56
- (4) Construction Start. 96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		4. PROJECT TITLE CONTROL TOWER		
5. PROGRAM ELEMENT 3.51.14	6. CATEGORY CODE 149-962	7. PROJECT NUMBER QSEU909999	8. PROJECT COST (\$000) 2,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONTROL TOWER	LS			2,177
CONTROL TOWER	LS			(2,066)
ELEVATOR	LS			(111)
SUPPORTING FACILITIES				515
UTILITIES	LS			(265)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(20)
SPECIAL FOUNDATION	LS			(55)
AIRFIELD WIRING	LS			(95)
DEMOLITION	EA	1	60,000	(60)
<b>SUBTOTAL</b>				<b>2,692</b>
<b>TOTAL CONTRACT COST</b>				<b>2,692</b>
<b>TOTAL REQUEST</b>				<b>2,692</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>2,700</b>
<b>10. Description of Proposed Construction:</b> Reinforced concrete footings, special foundations, floor slab, supporting superstructure, control tower cab, operations and training areas. Facility includes all site work, utilities, mechanical, electrical, fire protection, backup power systems and an elevator. Existing tower will be demolished.				
<u>Air Conditioning:</u> 20 Tons.				
<b>11. REQUIREMENT:</b> 1 EA <u>ADEQUATE:</u> 0 SUBSTANDARD: 1 EA				
<u>PROJECT:</u> Construct a control tower. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level 1 Commanders' Facility Assessment requirement. Construct an air traffic control tower (86 feet high) with a 540 square foot cab to accommodate 7-9 air traffic control personnel, with air traffic control equipment, crew briefings, operations, and training functions. The existing tower will be demolished, the site will be cleared, and the new tower will be sited so as to provide full coverage of the airfield.				
<u>CURRENT SITUATION:</u> The existing control tower was constructed in 1955. The tower cab, which has an area of only 225 square feet, was originally configured to accommodate three controllers and the standard complement of 1950s vintage equipment. Since then, both the mission of the base and the characteristics of the aircraft supported have changed. As a result, more air traffic controllers and more equipment is needed to cover present day air operations. The control tower work center has 21 controllers and 1 safety officer assigned to provide staffing on a seven-days-a-week, 24-hours-a-day basis. Also, this project, in providing a new facility which is appropriately sized and sited, will enable the controllers to function more efficiently; improve safety of operations for personnel and aircraft; accommodate the numerous changes that have been made over the				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE CONTROL TOWER	5. PROJECT NUMBER QSEU909999	
<p>years in airport configuration and air traffic patterns; and escape the visual obstructions which interfere with operations at the old, existing facility. Air traffic control operations at Moody number 62,000 landings and takeoffs annually.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will continue using a substandard and outdated control tower facility. Overcrowded cab conditions will remain a serious problem that limits air traffic controller mobility, prevents functional and efficient operational procedures, and degrades controller communications with pilots. These conditions, coupled with the additional effort required to safely control multiple aircraft, create conditions that jeopardize pilot safety and may cause loss of personnel and aircraft.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". The scope for this project was established in accordance with the Air Force Design Guide for Air Traffic Control Towers. Upon completion of this project, the existing tower will be demolished. A preliminary analysis of reasonable options for accomplishing this project (status quo, modify the existing tower, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Status quo and tower modification would not eliminate all operational deficiencies. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE  CONTROL TOWER	5. PROJECT NUMBER  QSEU909999	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JAN 25	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 15	
(e) Date Design Complete	95 OCT 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	SHAW	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	150	
(b) All Other Design Costs	74	
(c) Total	224	
(d) Contract	199	
(e) In-house	25	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		4. PROJECT TITLE C-130 AIRCRAFT WASHRACK FACILITY		
5. PROGRAM ELEMENT 2.72.31	6. CATEGORY CODE 211-159	7. PROJECT NUMBER HTAC943040	8. PROJECT COST (\$000) 1,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 AIRCRAFT WASHRACK FACILITY	SF	26,000	41	1,066
SUPPORTING FACILITIES				460
UTILITIES	LS			( 175)
SITE IMPROVEMENTS	LS			( 140)
PAVEMENTS	LS			( 145)
SUBTOTAL				1,526
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,602
SUPERVISION, INSPECTION AND OVERHEAD (6%)				96
TOTAL REQUEST				1,698
TOTAL REQUEST (ROUNDED)				1,700
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame with insulated sheet metal walls and insulated roof system. Building to provide capability for aircraft washing with drainage tied into pollution control system. Includes support space, utilities, access apron and other necessary work as required.				
Air Conditioning: 10 Tons.				
11. REQUIREMENT: 26,000 SF ADEQUATE: 0 SUBSTANDARD: 0				
<u>PROJECT:</u> Construct a C-130 aircraft washrack facility. (New Mission)				
<u>REQUIREMENT:</u> An adequate facility, properly sized and configured is needed for the recurring requirement to wash and clean C-130 aircraft. Effective washing (corrosion control) requires chemical agents for proper cleaning to remove built-up salts, oils, dirt and other corrosive type materials that will deteriorate the aircraft. This facility will be utilized solely to clean aircraft. Sanding aircraft in preparation for painting and repainting activities will not be performed in this facility.				
<u>CURRENT SITUATION:</u> The existing washrack facility cannot physically accommodate the new mission aircraft being assigned to the base. Environmental constraints prevent the new aircraft from being washed on the existing apron as a permanent solution for this requirement. Existing hangars throughout the flightline area are used for essential aircraft maintenance and are not available for use in meeting this requirement. In addition, there is no hangar on the base that can physically accommodate the C-130 aircraft. The workarounds for the temporary washrack include providing minimal capability to capture oils and solvents in a closed loop oil/water separator. A water supply line is being installed to provide interim capability to wash C-130's on the aircraft parking apron.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 AIRCRAFT WASHRACK FACILITY	HTAC943040	
<p>Aircraft washing activities will be hampered because outdoor washing of the aircraft in the heat and sun tends to dry the cleaning agents quicker than the aircraft can be rinsed causing extra water and time for a cleaning operation. The temporary washrack will also not be provided with a heated water system thus reducing the efficiency of the washing operation. Personnel must perform the cleaning year round while exposed to extremes of heat and cold temperatures.</p> <p><u>IMPACT IF NOT PROVIDED:</u> New C-130 aircraft and support equipment will not receive adequate cleaning to ensure corrosion prevention at Moody AFB. This will subject aircraft and equipment to shorter lifespans because corrosion maintenance requirements can not be met at the base. It is not practical or cost effective to have this work accomplished at other installations.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE C-130 AIRCRAFT WASHRACK FACILITY	5. PROJECT NUMBER HTAC943040	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	90%	
(d) Date 35% Designed.	93 SEP 30	
(e) Date Design Complete	95 FEB 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	71	
(b) All Other Design Costs	45	
(c) Total	116	
(d) Contract	70	
(e) In-house	46	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>ROBINS AIR FORCE BASE, GEORGIA</b>			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.95			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	739	3269	11119				16	40	497	16,680
b. End FY 2000	709	3046	8805				16	40	497	14,113
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 8,720) b. Inventory Total As Of: (30 SEP 94) 542,303 c. Authorization Not Yet In Inventory: 95,250 d. Authorization Requested In This Program: 6,900 e. Authorization Included In Following Program: (FY 1997) 25,850 f. Planned In Next Four Program Years: 60,750 g. Remaining Deficiency: 105,000 h. Grand Total: 836,053										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS				
<u>CODE</u>		<u>PROJECT TITLE</u>		<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>			
211-179	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK			35,000 SF	6,900	JUN 94	NOV 95			
TOTAL: 6,900										
9a. Future Projects: Included in the Following Program (FY 1997)										
113-321	JSTARS ADAL AIRCRAFT APRON/ HYDRANT FUEL SYSTEM			LS	7,100					
141-753	JSTARS SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			32,000 SF	9,100					
211-111	JSTARS AIRCRAFT MAINTENANCE HANGAR ASSOCIATED SHOPS			6,000 SF	1,650					
722-351	JSTARS ADD TO AND ALTER DINING FACILITY			8,800 SF	4,450					
740-884	JSTARS CHILD DEVELOPMENT CENTER			20,500 SF	3,550					
TOTAL: 25,850										
9b. Future Projects: Typical Planned Next Four Years:										
211-111	J-STARS MAINTENANCE HANGAR			35,000 SF	5,650					
211-152	INTEGRATED AIRCRAFT SYSTEMS MAINTENANCE FACILITY			170,000 SF	16,500					
211-154	DEPOT PLANT SERVICES COMPLEX			87,600 SF	7,900					
211-159	ALTER DEPOT CORROSION CONTROL FACILITY			LS	1,800					
610-127	ADD TO AND ALTER BASE ENGINEER COMPLEX			29,500 SF	3,450					
10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, & depot-level maintenance of F-15, C-130, & C-141 aircraft, helicopters, and avionics and electronic warfare systems; HQ AFRES; an air base wing; an AMC air refueling wing with two KC-135 squadrons; an ACC combat communications group; an Air National Guard bomb wing with B-1 aircraft has been announced; and will be the main operating base for the Joint Surveillance and Target Attack Radar System (JSTARS) aircraft.										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA			4. COMMAND AIR FORCE MATERIEL COMMAND					5. AREA CONST COST INDEX 0.95		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage:										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Four Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	6,000									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	1,800									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. PROJECT TITLE JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK		
5. PROGRAM ELEMENT 6.47.70	6. CATEGORY CODE TIARA	7. PROJECT NUMBER 211-179	8. PROJECT COST (\$000) UHHZ963010	6,900
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	SF	35,000	135	4,725
SUPPORTING FACILITIES				1,510
UTILITIES	LS			( 365)
FIRE PROTECTION SYSTEM	LS			( 145)
PAVEMENTS	LS			( 635)
SITE IMPROVEMENTS	LS			( 365)
<b>SUBTOTAL</b>				6,235
CONTINGENCY (5%)				312
<b>TOTAL CONTRACT COST</b>				<u>6,547</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				393
<b>TOTAL REQUEST</b>				6,940
<b>TOTAL REQUEST (ROUNDED)</b>				6,900
10. Description of Proposed Construction: Concrete foundation and floor slab, structural steel, steel siding, and built-up roof. Includes approach pavements, fire protection system, mechanical ventilation, and fume sensing and alarm system. The project includes all required utilities and site work.				
11. REQUIREMENT: 50,180 SF ADEQUATE: 15,180 SF SUBSTANDARD: 0				
<u>PROJECT:</u> Construct an aircraft fuel systems maintenance dock to support the Joint Surveillance Target Attack Radar System (JSTARS). (New Mission)				
<u>REQUIREMENT:</u> A permanent facility of adequate size and configuration is required to provide all-weather maintenance capability for fuel systems and fuel system components of the JSTARS aircraft. This project is critical to the beddown of Joint STARS, which is an Air Force/Army program for real-time detection, tracking, and attack of moving and stationary ground targets. The system will consist of an airborne segment on board E-8C configured aircraft and a mobile ground communication segment.				
<u>CURRENT SITUATION:</u> There are no fuel system maintenance dock facilities large enough to support JSTARS aircraft at Robins AFB. All existing facilities are fully utilized by currently assigned aircraft at the base.				
<u>IMPACT IF NOT PROVIDED:</u> The base will not be able to adequately support the beddown of JSTARS aircraft. There will be no facility available to properly conduct fuel systems maintenance on new mission aircraft. Failure to maintain each aircraft in a safe and ready state will adversely affect the combat mission capability of the Air Force, Army, and Allied battle units.				
<u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>ROBINS AIR FORCE BASE, GEORGIA</b>		
4. PROJECT TITLE	5. PROJECT NUMBER	
JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	UHHZ963010	
<p>86-2, "Standard Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	5. PROJECT NUMBER UHHZ963010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 10	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 19	
(e) Date Design Complete	95 NOV 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	360	
(b) All Other Design Costs	20	
(c) Total	380	
(d) Contract	285	
(e) In-house	95	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 1.64				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED			TOTAL	
a. As of 30 SEP 94		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	5,612
b. End FY 2000		688	2638	1797				32	232	225	5,544
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 7,931) b. Inventory Total As Of: (30 SEP 94) 581,077 c. Authorization Not Yet In Inventory: 22,800 d. Authorization Requested In This Program: 10,700 e. Authorization Included In Following Program: (FY 1997) 3,150 f. Planned In Next Four Program Years: 28,200 g. Remaining Deficiency: 241,487 h. Grand Total: 887,414											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
113-321		REPAIR AIRFIELD PAVEMENTS			102,200 SY	4,550	MAR 94	JUN 95			
721-312		ALTER DORMITORY			36 PN	3,100	APR 93	DEC 95			
721-315		ALTER TRANSIENT DORMITORY			62 PN	3,050	DEC 93	DEC 95			
					TOTAL:	10,700					
9a. Future Projects: Included in the Following Program (FY 1997)											
721-315		ALTER TRANSIENT DORMITORY			25,100 SF	3,150					
					TOTAL:	3,150					
9b. Future Projects: Typical Planned Next Four Years:											
113-321		UPGRADE AIRFIELD APRON, PH II			109,000 SY	10,600					
442-257		FLAMMABLE STORAGE WAREHOUSE			11,500 SF	1,200					
610-249		CONSOLIDATED MOBILITY CENTER			8,100 SF	1,400					
610-284		RENOV HQ PACAF COMPLEX PH V			47,000 SF	3,000					
721-312		ALTER UNACCOMPANIED ENLISTED DORMITORY			352 PN	5,000					
10. Mission or Major Functions: Headquarters Pacific Air Forces; an Air National Guard Group with C-130, F-15A/B, and KC-135 aircraft. Other major activities include an Air Intelligence Agency intelligence group and an airlift support group.											
11. Outstanding pollution and safety (OSH) deficiencies:											
a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0 d. Other Environmental: 2,445											

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE REPAIR AIRFIELD PAVEMENTS		
5. PROGRAM ELEMENT 2.75.96P	6. CATEGORY CODE 113-321	7. PROJECT NUMBER KNMD963006	8. PROJECT COST(\$000) 4,550	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPAIR AIRFIELD PAVEMENT	SY	102,200		4,088
APRON	SY	81,000	40	(3,240)
TAXIWAY	SY	21,200	40	(848)
SUBTOTAL				4,088
CONTINGENCY (5%)				204
TOTAL CONTRACT COST				4,292
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				279
TOTAL REQUEST				4,571
TOTAL REQUEST (ROUNDED)				4,550
10. Description of Proposed Construction: All work necessary to repair airfield pavements including but not limited to: remove and replace existing asphaltic concrete (AC) pavement and base course, cold plane AC pavement, apply prime coat and tack coat, place 2" AC pavement overlay, seal coat AC pavement, paint pavement striping, and all other necessary support.				
11. REQUIREMENT: 1,342,200 SY ADEQUATE: 258,700 SY SUBSTANDARD: 1,083,500 SY <u>PROJECT:</u> Repair airfield pavements. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. Adequate airfield aprons and taxiways in good condition are required for the safe operation of assigned and transient aircraft. The main apron must be able to accommodate wide body aircraft. <u>CURRENT SITUATION:</u> The original airfield aprons were constructed in 1938 based on the prevailing wheel loads at that time. Piecemeal efforts to maintain, repair and reconstruct the pavements over the years have created a diverse pavement system, causing considerable maintenance and operational problems. The January 1993 Airfield Pavement Evaluation Report by the Air Force Civil Engineering Support Agency rated the apron parking areas fair to poor. It indicated that these areas have medium to high severity distresses and near-term maintenance, repair and reconstruction are required. The airfield pavement evaluation revealed that the existing apron is structurally inadequate for assigned and transient aircraft; and pavement failure has progressed to the point where deteriorating asphalt is a major source of foreign object damage (FOD) to aircraft. <u>IMPACT IF NOT PROVIDED:</u> This project is urgent and its deferral will				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE REPAIR AIRFIELD PAVEMENTS	5. PROJECT NUMBER KNMD963006	

result in further deterioration to the existing pavement causing continuous FOD problems to aircraft. The parking apron and taxiway deterioration will continue to a point where they can no longer safely support aircraft. Failure to repair these essential airfield pavements will prolong a dangerous situation that may lead to aircraft damage and prevent the base from accomplishing its mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, relocate, replace in kind, and repair) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>HICKAM AIR FORCE BASE, HAWAII</b>		
4. PROJECT TITLE <b>REPAIR AIRFIELD PAVEMENTS</b>	5. PROJECT NUMBER <b>KNMD963006</b>	

**12. SUPPLEMENTAL DATA:**

**a. Estimated Design Data:**

- (1) Status:
  - (a) Date Design Started 94 MAR 25
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 94 NOV 29
  - (e) Date Design Complete 95 JUN 15
- (2) Basis:
  - (a) Standard or Definitive Design - NO
  - (b) Where Design Was Most Recently Used - N/A
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 270
  - (b) All Other Design Costs 170
  - (c) Total 440
  - (d) Contract
  - (e) In-house 440
- (4) Construction Start 96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE ALTER DORMITORY		
5. PROGRAM ELEMENT 2.75.96P	6. CATEGORY CODE 721-312	7. PROJECT NUMBER KNMD933018R1	8. PROJECT COST (\$000) 3,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORY (36 PN)				2,509
DORMITORY	SF	25,600	96	(2,458)
AUTOMATIC SPRINKLER PROTECTION	SF	25,600	2	( 51)
SUPPORTING FACILITIES				145
UTILITIES	LS			( 10)
COMMUNICATIONS SUPPORT	LS			( 10)
SITE IMPROVEMENTS	LS			( 25)
SOLAR APPLICATIONS	LS			( 100)
<b>SUBTOTAL</b>				<b>2,654</b>
CONTINGENCY (10%)				265
TOTAL CONTRACT COST				<b>2,919</b>
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				<b>190</b>
TOTAL REQUEST				<b>3,109</b>
TOTAL REQUEST (ROUNDED)				<b>3,100</b>
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(273)

10. Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support.

Air Conditioning: 85 Tons. Grade Mix: 36 E5-E6.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to successfully accomplish the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 36 personnel: 36 E5-E6, with a maximum utilization of 72 personnel.

CURRENT SITUATION: The facility to be altered was constructed in 1965 to standards in effect at that time. It has central latrines, no private entrances, insufficient noise attenuation for shift workers resting at various hours, and it lacks the necessary amenities found in modern dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER DORMITORY	KNMD933018R1	
<p>revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION			
HICKAM AIR FORCE BASE, HAWAII			
4. PROJECT TITLE <b>ALTER DORMITORY</b>	5. PROJECT NUMBER	<b>KNMD933018R1</b>	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	93 APR 14		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	94 DEC 30		
(e) Date Design Complete	95 DEC 22		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	160		
(b) All Other Design Costs	114		
(c) Total	274		
(d) Contract			
(e) In-house	274		
(4) Construction Start 96 MAR			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
DORMITORY EQUIPMENT	3080	1996	273

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE ALTER TRANSIENT DORMITORY		
5. PROGRAM ELEMENT 2.75.96P	6. CATEGORY CODE 721-315	7. PROJECT NUMBER KNMD933020	8. PROJECT COST (\$000) 3,050	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER TRANSIENT DORMITORY (62 PN)				2,460
DORMITORY	SF	25,100	96	(2,410)
AUTOMATIC SPRINKLER PROTECTION	SF	25,100	2	( 50)
SUPPORTING FACILITIES				160
UTILITIES	LS			( 10)
COMMUNICATIONS SUPPORT	LS			( 10)
SITE IMPROVEMENTS	LS			( 20)
SOLAR APPLICATIONS	LS			( 120)
SUBTOTAL				2,620
CONTINGENCY (10%)				262
TOTAL CONTRACT COST				2,882
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				187
TOTAL REQUEST				3,069
TOTAL REQUEST (ROUNDED)				3,050
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(310)
10. Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support.				
Air Conditioning: 85 Tons. Grade Mix: 62 E5-E6.				
11. REQUIREMENT: 1,471 PN ADEQUATE: 779 PN SUBSTANDARD: 254 PN				
<u>PROJECT:</u> Alter transient dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to successfully accomplish the increasingly complicated and important jobs these people must perform.				
<u>CURRENT SITUATION:</u> The facility to be altered was constructed in 1968 to standards in effect at that time. It has central latrines, no private entryways, insufficient noise attenuation for shift workers resting at various hours, and lacks the necessary amenities found in modern dormitories.				
<u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force.				
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<u>HICKAM AIR FORCE BASE, HAWAII</u>		
4. PROJECT TITLE	5. PROJECT NUMBER	
ALTER TRANSIENT DORMITORY	KNMD933020	
<p>present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>HICKAM AIR FORCE BASE, HAWAII</b>		
4. PROJECT TITLE <b>ALTER TRANSIENT DORMITORY</b>	5. PROJECT NUMBER <b>KNMD933020</b>	

**12. SUPPLEMENTAL DATA:**

**a. Estimated Design Data:**

- (1) Status:
  - (a) Date Design Started 93 DEC 20
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 94 DEC 30
  - (e) Date Design Complete 95 DEC 22
- (2) Basis:
  - (a) Standard or Definitive Design - NO
  - (b) Where Design Was Most Recently Used - N/A
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 160
  - (b) All Other Design Costs 151
  - (c) Total 311
  - (d) Contract
  - (e) In-house 311
- (4) Construction Start 96 MAR

**b. Equipment associated with this project will be provided from other appropriations:**

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
DORMITORY EQUIPMENT	3080	1996	310

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.15			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	350	2824	496				2	16	49	3,737
b. End FY 2000	411	3308	390				2	16	49	4,176
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 13,607)										
b. Inventory Total As Of: (30 SEP 94)	205,333									
c. Authorization Not Yet In Inventory:	15,950									
d. Authorization Requested In This Program:	18,650									
e. Authorization Included In Following Program: (FY 1997)	8,000									
f. Planned In Next Four Program Years:	500									
g. Remaining Deficiency:	53,330									
h. Grand Total:	301,763									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN		STATUS <u>START</u>	<u>Cmpl</u>			
				LS	APR 94			SEP 95		
179-481	IDAHO TRAINING RANGE (NORTH SITE)	LS	8,000	APR 94	SEP 95					
831-165	WASTEWATER TREATMENT AND DISPOSAL PLANT	LS	9,850	APR 94	AUG 95					
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	800	APR 94	AUG 95					
		TOTAL:	18,650							
9a. Future Projects: Included in the Following Program (FY 1997)										
130-142	FLIGHTLINE FIRE STATION	24,800 SF	5,000							
179-481	IDAHO TRAINING RANGE (SOUTH SITE)	LS	3,000							
		TOTAL:	8,000							
9b. Future Projects: Typical Planned Next Four Years:										
721-312	UPGRADE DORMITORY	106 PN	500							
10. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, but on indefinite hold due to real world contingency requirements), and a geographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, SD (transfer to Mountain Home AFB at a time to be determined).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a.	Air pollution:	3,000								
b.	Water pollution:	11,990								
c.	Occupational safety and health:	0								
d.	Other Environmental:	0								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		4. PROJECT TITLE IDAHO TRAINING RANGE (NORTH SITE)		
5. PROGRAM ELEMENT 2.75.97	6. CATEGORY CODE 179-481	7. PROJECT NUMBER QYZH963014	8. PROJECT COST(\$000) 8,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IDaho TRAINING RANGE (NORTH SITE)	LS			2,346
MAINTENANCE FACILITY	SF	10,000	74	( 740)
ADMINISTRATIVE/OPERATIONS FACILITY	SF	10,000	57	( 570)
TARGET AREAS/TARGET SITES	EA	6	172,670	(1,036)
SUPPORTING FACILITIES				4,835
CONSTRUCT ROADS	LF	44,400	22	( 975)
IMPROVE EXISTING ROADS	LF	195,500	16	(3,130)
UTILITIES	LS			( 150)
SITE IMPROVEMENTS	LS			( 20)
FENCING (VARIOUS TYPES)	LF	140,000	4	( 560)
Subtotal				7,181
CONTINGENCY (5%)				359
TOTAL CONTRACT COST				7,540
SUPERVISION, INSPECTION AND OVERHEAD (6%)				452
TOTAL REQUEST				7,992
TOTAL REQUEST (ROUNDED)				8,000

10. Description of Proposed Construction: Develop a 10 acre site to include two steel frame, metal-sided facilities on concrete pads. Include diesel generator, waterwell, pump, piping and storage, and wastewater septic system. Construct helicopter pad, gravel parking lot, gravel access roads, firebreaks, security fencing, target areas and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct Idaho Training Range (North Site). (New Mission)

REQUIREMENT: A new range is required to provide realistic training for aircrews to maintain combat capability. The range must provide a variety of near-real targets to simulate conditions that can be expected in a real combat scenario. The Class B range at north site will consist of 2 target areas with four target sites. A Class B range can be manned or unmanned and has a scoring capability from the ground, but does not have a Range Control Officer on the ground controlling aircraft. Facilities are required to provide vehicle and range maintenance, and administrative space. The training infrastructure must provide realistic simulated battlefield conditions. To maximize combat efficiency, cost effectiveness and unit readiness, the training infrastructure must be locally available.

CURRENT SITUATION: Saylor Creek Range (SCR) is approximately 40 miles southeast of Mt Home AFB and has limited capability for composite wing training. Due to its size, the SCR can not be used in the training of composite force formations, which is a basic composite wing requirement. Composite wing aircraft must fly to distant ranges for other training such as defense in-depth, flag exercises, or first look targets. Aircraft must refuel in-flight or refuel at other bases before and/or after the mission. Approximately 3000 hours of flying time are now used in transit to the

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE  IDAHO TRAINING RANGE (NORTH SITE)	5. PROJECT NUMBER  QYZH963014	
<p>more distant ranges in Utah and Nevada. Because of the increased flight time required for these training activities and the additional fuel consumed, obtaining this training on a routine basis is neither practical nor cost-effective. The distant locations of these aircrew training ranges necessitate not only additional flying time but also the associated requirement and cost for additional tanker missions for in-flight refueling, when needed. The SCR can not support the full scale composite force training requirement because it does not provide the air space and range infrastructure to allow the use of the full range of target options such as: forward edge of the battle area, battlefield air interdiction, and deep interdiction.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The composite wing will not have the required local training facilities to meet their current combat training needs. The wing will be forced to continue using distant training ranges, and this necessitates increased sortie lengths, adds associated tanker missions for in-flight refueling when required, causes extra fuel consumption, and reduces total training time on the ranges for aircrew members to improve and maintain combat proficiency.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". The land is being obtained through a land exchange between The State of Idaho and the Bureau of Land Management. Some private land may be purchased using funds provided in the Military Construction Appropriations Act, of 1994. A companion project to develop the south site of the ITR is being programmed in FY 97. A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. New construction is the only option that can meet mission requirements. As a result, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE  IDAHO TRAINING RANGE (NORTH SITE)	5. PROJECT NUMBER  QYZH963014	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 30	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	480	
(b) All Other Design Costs	600	
(c) Total	1080	
(d) Contract	680	
(e) In-house	400	
(4) Construction Start 96 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		4. PROJECT TITLE WASTEWATER TREATMENT AND DISPOSAL PLANT		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 831-165	7. PROJECT NUMBER QYZH963005	8. PROJECT COST (\$000) 9,850	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WASTEWATER TREATMENT AND DISPOSAL PLANT	LS			6,858
SUPPORTING FACILITIES				1,980
UTILITIES	LS			( 200)
PAVEMENTS	LS			( 125)
PRETREATMENT	LS			(1,450)
START-UP, TRAINING AND O&M MANUALS	LS			( 205)
<b>SUBTOTAL</b>				<b>8,838</b>
CONTINGENCY (5%)				442
<b>TOTAL CONTRACT COST</b>				<b>9,280</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				557
<b>TOTAL REQUEST</b>				<b>9,837</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>9,850</b>

10. Description of Proposed Construction: Construct a 0.85 million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Provide construction, operation and discharge permits, operations and maintenance (O&M) manuals and a one year start-up contract.

11. REQUIREMENT: As required.

PROJECT: Construct a wastewater treatment and disposal plant. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. The current wastewater system does not provide the level of treatment required to maintain regulatory compliance. The proposed wastewater treatment plant will provide advance treatment to meet local, state and federal water pollution control and Resource Conservation and Recovery Act (RCRA) requirements. Pretreatment facilities will be constructed upstream of the new wastewater treatment plant to protect the wastewater treatment plant from the discharge of heavy metals and toxic organics in excess of the limits established by the Clean Water Act (CWA) and RCRA regulations.

CURRENT SITUATION: Mt Home AFB is on EPA's National Priority List.

Domestic and industrial wastewaters are being treated on base in unpermitted lagoons. These lagoons were partially constructed over abandoned sanitary landfill trenches. The base does not have a state of Idaho land application permit. A 1989 utilities survey estimated that the percolation rate of the existing lagoons is on the order of 0.40 to 0.45 in/day. The state of Idaho leakage standard for existing lagoons is a maximum of 0.125 in/day. During the winter, water inflow into the lagoons exceeds water outflow through percolation/evaporation. The lagoons gradually fill up. In the spring the lagoons are drawn down by pumping

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE WASTEWATER TREATMENT AND DISPOSAL PLANT	5. PROJECT NUMBER QYZH963005	
<p>the wastewater from the lagoons into three infiltration basins until the percolation/evaporation rate of the lagoons once again exceeds inflow and the annual cycle repeats itself. Mt Home AFB has little control over operational parameters of the current treatment system and cannot control or contain prohibited material from reaching the environment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continued operation of the base's existing unlined lagoons can result in enforcement actions by the state and the Environmental Protection Agency (EPA) under either the solid and hazardous waste regulations or ground water protection regulations. Continued violations may result in fines and penalties up to \$25,000 per day per violation.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE WASTEWATER TREATMENT AND DISPOSAL PLANT	5. PROJECT NUMBER QYZH963005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 17	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 30	
(e) Date Design Complete	95 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	400	
(b) All Other Design Costs	410	
(c) Total	810	
(d) Contract	600	
(e) In-house	210	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS				4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 1.14		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	2137	4237	2932				175	170	544	10,195
b. End FY 2000	1971	4101	2718				175	170	544	9,679
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,337)										
b. Inventory Total As Of: (30 SEP 94)	341,089									
c. Authorization Not Yet In Inventory:	2,700									
d. Authorization Requested In This Program:	12,700									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	9,350									
g. Remaining Deficiency:	98,700									
h. Grand Total:	464,539									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS						
				START	CMPL					
721-312	DORMITORY	144 PN	8,000	SEP 94	MAY 95					
724-417	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	60 PN	4,700	SEP 94	JUN 95					
TOTAL:				12,700						
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
113-321	APRONS	22,500 SY	1,650							
721-312	ALTER DORMITORY	144 PN	2,950							
730-773	ADD TO CHAPEL CENTER	11,000 SF	1,250							
822-265	REPAIR STEAM HEATING MAINS	5,000 LF	3,500							
10. Mission or Major Functions: Headquarters United States Transportation Command; Headquarters Air Mobility Command; Tanker/Airlift Control Center; HQ Air Force Command, Control, Communications and Computer Agency; Air Weather Service; USAF Environmental Technical Applications Center; an airlift wing with a C-9 airlift squadron and a C-21 airlift squadron; an Air Force Reserve C-9 associate aeromedical airlift wing; Air Force Materiel Commands Communications Systems Program Office and a major USAF medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VDYD973000	8. PROJECT COST (\$000) 8,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 PN)				5,712
DORMITORY	SF	51,000	110	(5,610)
AUTOMATIC SPRINKLER PROTECTION	SF	51,000	2	( 102)
SUPPORTING FACILITIES				1,500
UTILITIES	LS			( 650)
PAVEMENTS	LS			( 550)
SITE IMPROVEMENTS	LS			( 300)
SUBTOTAL				7,212
CONTINGENCY (5%)				361
TOTAL CONTRACT COST				<u>7,573</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				454
TOTAL REQUEST				<u>8,027</u>
TOTAL REQUEST (ROUNDED)				8,000
10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage and lounge areas, and all necessary support. Air Conditioning: 100 Tons. Grade Mix: 144 E1-E4.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 144 personnel: 144 E1-E4, with a maximum utilization of 144 personnel. <u>CURRENT SITUATION:</u> Currently there are not enough adequate dormitories to meet the requirements of unaccompanied enlisted personnel at this installation. In addition to the personnel living in existing substandard facilities, there are currently in excess of 200 E-1 through E-4 enlisted personnel living off-base due to lack of on-base quarters. This project will significantly reduce this existing deficit and reduce the need for \$1.2 million payment of BAQ/VHA/BAS annually. <u>IMPACT IF NOT PROVIDED:</u> Unaccompanied enlisted personnel will have to continue living off-base resulting in excess of \$1.2 million payment of BAQ/VHA/BAS annually. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>SCOTT AIR FORCE BASE, ILLINOIS</b>		
4. PROJECT TITLE <b>DORMITORY</b>	5. PROJECT NUMBER <b>VDYD973000</b>	

been prepared comparing alternatives of new construction or status quo (housing enlisted personnel off-base paying BAQ/VHA/BAS). Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER VDYD973000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 SEP 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	30%	
(d) Date 35% Designed.	95 FEB 15	
(e) Date Design Complete	95 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	SCOTT	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	80	
(b) All Other Design Costs	400	
(c) Total	480	
(d) Contract	415	
(e) In-house	65	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		4. PROJECT TITLE GLOBAL REACH PLANNING CENTER VISITING QUARTERS		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 724-417	7. PROJECT NUMBER VDYD953019	8. PROJECT COST (\$000) 4,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
GLOBAL REACH PLANNING CENTER VISITING QUARTERS (60 PN)	LS			3,210
VISITING OFFICERS QUARTERS	SF	30,000	105	(3,150)
AUTOMATIC SPRINKLER PROTECTION	SF	30,000	2	( 60)
SUPPORTING FACILITIES				1,030
UTILITIES	LS			( 190)
SITE IMPROVEMENTS	LS			( 90)
PAVEMENTS	LS			( 210)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	51,000	9	( 460)
ELEVATOR	EA	1	80,000	( 80)
<b>SUBTOTAL</b>				4,240
CONTINGENCY (5%)				212
TOTAL CONTRACT COST				4,452
SUPERVISION, INSPECTION AND OVERHEAD (6%)				267
TOTAL REQUEST				4,719
TOTAL REQUEST (ROUNDED)				4,700
10. Description of Proposed Construction: A two-story structure with reinforced concrete foundation and floor slab, masonry walls, and roof deck system, sprinkler protection, site improvements, and all necessary support. Includes demolition of two facilities and asbestos removal/disposal.				
<u>Air Conditioning:</u> 65 Tons. <u>Grade Mix:</u> 60 04-010.				
11. REQUIREMENT: 184 PN ADEQUATE: 124 PN SUBSTANDARD: 0				
<u>PROJECT:</u> Construct a global reach planning center visiting quarters. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment (CFA) project. Adequate living quarters are required to accommodate TDY personnel at the Global Reach Planning Center. On-base quarters are essential to insure that the TDY personnel attending conferences at HQ AMC are provided an environment conducive to successful accomplishment of the increasingly complicated and important jobs these personnel must perform. Areas required include living, administrative, housekeeping, guest laundry, reception, and lobby. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990.				
<u>CURRENT SITUATION:</u> The creation of HQ AMC at Scott AFB from the Military Airlift and Strategic Air Commands has generated an increase in TDYs to Scott. Since the stand up of AMC on 1 Jun 93, the Headquarters has sponsored over 160 conferences. The larger conferences include over 225 participants. The existing VOQs cannot accommodate the high volume of visitors to USTRANSCOM, HQ AMC, and Air Force Command and Control Communication Computer Agency (AFC4A). In order to meet this requirement, an average of 100 off-base quarters are contracted each day, which cost approximately \$4,000 per day. The average distance to the off-base				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
GLOBAL REACH PLANNING CENTER VISITING QUARTERS		VDYD953019

quarters is eleven miles. Two substandard facilities totaling 51,000 SF will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Personnel attending conferences at the Global Reach Planning Center will continue to be housed off-base at a cost of \$2,400 per day. Splitting up conference attendees/TDY personnel in separate on-base and/or off-base quarters will continue to greatly complicate planning and scheduling activities and increase logistical costs.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and contract quarters. Based on the net present value and benefits of the respective alternatives, new construction was found to be the most efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE GLOBAL REACH PLANNING CENTER VISITING QUARTERS	5. PROJECT NUMBER VDYD953019	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 SEP 09	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	95 JAN 01	
(e) Date Design Complete	95 JUN 16	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MCCONNEL	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	230	
(c) Total	280	
(d) Contract	240	
(e) In-house	40	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS			4. COMMAND AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 0.99			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 94	602	3527	909			2	11	148	5,199
b. End FY 2000	589	3216	179			2	11	148	4,145
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 3,103) b. Inventory Total As Of: (30 SEP 94) 320,091 c. Authorization Not Yet In Inventory: 10,550 d. Authorization Requested In This Program: 9,450 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,500 g. Remaining Deficiency: 55,400 h. Grand Total: 426,991									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL	
141-753	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			40,900 SF	6,100	JUN 94	MAR 95		
721-312	ALTER DORMITORY			62 PN	2,200	AUG 94	AUG 95		
831-157	DEICING PAD			11,000 SY	1,150	JUL 94	MAR 95		
				TOTAL:	9,450				
9a. Future Projects: Included in the Following Program (FY 1997) NONE									
9b. Future Projects: Typical Planned Next Four Years:									
111-111	UPGRADE RUNWAY			LS	3,100				
610-128	MILITARY PERSONNEL SUPPORT CENTER			48,250 SF	6,400				
690-000	PROCUREMENT FACILITY			8,000 SF	1,400				
740-675	CONSOLIDATED EDUCATION CENTER			32,700 SF	5,000				
740-884	ADD TO AND ALTER CHILD DEVELOPMENT CENTER			27,300 SF	2,600				
10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons; and an Air National Guard bomb group with a B-1 squadron.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a.	Air pollution:				0				
b.	Water pollution:				1,000				
c.	Occupational safety and health:				2,100				
d.	Other Environmental:				0				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			
5. PROGRAM ELEMENT 4.12.18	6. CATEGORY CODE 141-753	7. PROJECT NUMBER PRQE963500	8. PROJECT COST (\$000) 6,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY	SF	40,900	115	4,704	
SUPPORTING FACILITIES				775	
UTILITIES	LS			( 290)	
PAVEMENTS	LS			( 175)	
SITE IMPROVEMENTS	LS			( 215)	
ELEVATOR	EA	1	95,000	( 95)	
SUBTOTAL				5,479	
CONTINGENCY (5%)				274	
TOTAL CONTRACT COST				5,753	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				345	
TOTAL REQUEST				6,098	
TOTAL REQUEST (ROUNDED)				6,100	

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 85 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 18 additional KC-135s in the 2nd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, technical order library, standardization/evaluation, life support, locker rooms, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC.

CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among three severely undersized and physically separated facilities. These facilities have historically suffered overcrowding, a condition further exasperated with the beddown of additional KC-135s and

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>MCCONNELL AIR FORCE BASE, KANSAS</b>		
4. PROJECT TITLE <b>KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC</b>	5. PROJECT NUMBER <b>PRQE963500</b>	

the unification of the operators and maintainers. The physical separation creates fragmented lines of communications/authority. Aircrues and maintenance personnel spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. These facilities are inadequately sized and not properly configured to support requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in scattered and undersized buildings and will never develop the cohesiveness and efficiency required by an operational organization. Full implementation of the more effective Objective Wing squadron and beddown of KC-135s will be degraded. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE  KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER  PRQE963500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed..	94 OCT 07	
(e) Date Design Complete	95 MAR 17	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TRAVIS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	287	
(b) All Other Design Costs	134	
(c) Total	421	
(d) Contract	2	
(e) In-house	419	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		4. PROJECT TITLE ALTER DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER PRQE970014	8. PROJECT COST (\$000) 2,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORY (62 PN)				1,562
ALTERATION	SF	25,200	60	(1,512)
AUTOMATIC SPRINKLER PROTECTION	SF	25,200	2	( 50)
SUPPORTING FACILITIES				345
UTILITIES	LS			( 125)
PAVEMENTS	LS			( 100)
SITE IMPROVEMENTS	LS			( 75)
ASBESTOS ABATEMENT	LS			( 45)
SUBTOTAL				1,907
CONTINGENCY (10%)				191
TOTAL CONTRACT COST				2,098
SUPERVISION, INSPECTION AND OVERHEAD (6%)				126
TOTAL REQUEST				2,224
TOTAL REQUEST (ROUNDED)				2,200

10. Description of Proposed Construction: Alter a three-story dormitory. Includes upgrading the mechanical and electrical system, interior finishes, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, site improvements, asbestos abatement, and necessary support.

Air Conditioning: 50 Tons. Grade Mix: 62 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 62 personnel: 62 E1-E4, with a maximum utilization of 62 personnel.

CURRENT SITUATION: The facility to be upgraded was constructed in 1970. Inefficiencies include inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. No major maintenance, repairs or improvements have been made to the interior finishes since the facility was constructed 24 years ago.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE ALTER DORMITORY	5. PROJECT NUMBER PRQE970014	

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. Fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE ALTER DORMITORY	5. PROJECT NUMBER	PRQE970014

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	94 AUG 19
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 OCT 14
(e) Date Design Complete	95 AUG 17
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	130
(b) All Other Design Costs	120
(c) Total	250
(d) Contract	200
(e) In-house	50
(4) Construction Start	96 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		4. PROJECT TITLE DEICING PAD		
5. PROGRAM ELEMENT 4.18.56	6. CATEGORY CODE 831-157	7. PROJECT NUMBER PRQE965019	8. PROJECT COST (\$000) 1,150	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DEICING PAD	SY	11,000	62	682
SUPPORTING FACILITIES				360
UTILITIES	LS			( 10)
PAVEMENTS	LS			( 325)
SITE IMPROVEMENTS	LS			( 25)
<b>SUBTOTAL</b>				<b>1,042</b>
CONTINGENCY (5%)				52
<b>TOTAL CONTRACT COST</b>				<b>1,094</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				66
<b>TOTAL REQUEST</b>				<b>1,160</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>1,150</b>

10. Description of Proposed Construction: Provide facilities to deice aircraft and recover, recycle, and dispose of the used deicing fluid. Includes sloped pad to drain to center catch basin, pumps to a storage tank, and necessary support.

11. REQUIREMENT: 1 SY ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a deicing pad. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. Construction of an aircraft deicing chemical recovery facility will provide a centralized deicing location for the aircraft and a means to recover the used deicing fluid. This will prevent the deicing fluid from being released into the waterways of the base which would violate the Kansas Department of Health and Environment (KDHE) limit of seven mg/L for propylene glycol and prevent the inevitable Notice of Violation.

CURRENT SITUATION: During deicing operations, a section of the ramp is closed to other aircraft traffic, a trench drain serving the area is blocked, and deicing fluid is pumped out of the trench. A pavement sweeper is also used to recover the surface fluid which does not enter the trench. The used deicer chemical is disposed of through Defense Reutilization and Marketing Office. Aircraft deicing operations in 1991 resulted in excess levels of propylene glycol in the waterways flowing off base. One sample indicated a level of 293 mg/L. Excessive levels of propylene glycol severely impacted the waterways, resulting in strong odors from the creek, complaints from residents near the creek, investigation by KDHE and the Environmental Protection Agency, and the issuance of a 7 mg/L limit on the propylene glycol levels in waterways flowing off base. A Notice of Violation has been issued but action by the KDHE is being held in abeyance as a result of programming this project in

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE DEICING PAD	5. PROJECT NUMBER PRQE965019	
<p>FY96.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Substantial reduction in flying operations during weather that requires deicing. Additionally, the base will be subject to Notice of Violation for exceeding the propylene glycol limits, substantial monetary penalties, further complaints and/or lawsuits from nearby residents, and cessation of flying operations pending compliance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE  DEICING PAD	5. PROJECT NUMBER  PRQE965019	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 26	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	40%	
(d) Date 35% Designed.	94 OCT 05	
(e) Date Design Complete	95 MAR 08	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	40	
(c) Total	100	
(d) Contract	90	
(e) In-house	10	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>BARKSDALE AIR FORCE BASE, LOUISIANA</b>			4. COMMAND <b>AIR COMBAT COMMAND</b>				5. AREA CONST COST INDEX <b>0.84</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	934	4925	1267		132	1	3	5	15	7,282
b. End FY 2000	916	4852	1068		132	1	3	5	15	6,992
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 22,382)									236,084	
b. Inventory Total As Of: (30 SEP 94)									50,680	
c. Authorization Not Yet In Inventory:									2,500	
d. Authorization Requested In This Program:									3,600	
e. Authorization Included In Following Program: (FY 1997)									5,750	
f. Planned In Next Four Program Years:									109,100	
g. Remaining Deficiency:									407,714	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
171-211	B-52 TRAINING COMPLEX	LS	2,500	JUL 94	APR 95					
		TOTAL:	2,500							
9a. Future Projects: Included in the Following Program (FY 1997)										
131-111	COMMUNICATIONS SYSTEMS	15,000 SF	2,600							
	SQUADRON COMPLEX									
831-155	INDUSTRIAL WASTEWATER	LS	1,000							
	PRETREATMENT FACILITIES									
		TOTAL:	3,600							
9b. Future Projects: Typical Planned Next Four Years:										
740-674	PHYSICAL FITNESS CENTER	18,200 SF	2,450							
871-183	ADD TO AND ALTER STORM	LS	3,300							
	DRAINAGE FACILITIES									
10. Mission or Major Functions: Headquarters Eighth Air Force; a flying wing with three B-52 squadrons, one of which is responsible for training B-52 aircrews; and an Air Force Reserve wing with an A/OA-10 and B-52 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									3,000	
b. Water pollution:									3,490	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA		4. PROJECT TITLE B-52 TRAINING COMPLEX		
5. PROGRAM ELEMENT 1.18.97	6. CATEGORY CODE 171-211	7. PROJECT NUMBER AWUB962309	8. PROJECT COST (\$000) 2,500	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
B-52 TRAINING COMPLEX	SF	67,000		1,900	
MUNITIONS ASSEMBLY AREA	SF	50,000	7	( 350)	
ABOVE GROUND MAGAZINE	SF	5,000	120	( 600)	
MUNITIONS MAINTENANCE FACILITY	SF	2,000	200	( 400)	
RENOVATE ACADEMIC FACILITY	SF	10,000	55	( 550)	
SUPPORTING FACILITIES				350	
UTILITIES	LS			( 150)	
PAVEMENTS	LS			( 100)	
SITE IMPROVEMENTS	LS			( 100)	
SUBTOTAL				2,250	
CONTINGENCY (5%)				113	
TOTAL CONTRACT COST				2,363	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				142	
TOTAL REQUEST				2,505	
TOTAL REQUEST (ROUNDED)				2,500	

10. Description of Proposed Construction: Reinforced concrete foundations for several facilities, concrete paved bomb assembly area, metal walls with maintenance free exterior, insulated roof, renovate facility for academic training, and all necessary support.

Air Conditioning: 40 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a B-52 Training Complex. (New Mission)

REQUIREMENT: This project is part of a HQ ACC initiative to consolidate all B-52 crew training at one location. The base requires these facilities to perform its strategic bomber training mission. Special conference/vault areas are required to conduct secret cleared briefings. Additional munitions facilities are required to store and generate weapons to support training missions. Renovation of an existing facility is required to provide sufficient classroom, conference areas, and laboratories.

CURRENT SITUATION: Current facilities are already dedicated towards supporting existing mission requirements. Facilities to support the academic requirement are available, however they need to be converted into conference/classroom configurations. In addition, security restrictions require special conference/vault areas.

IMPACT IF NOT PROVIDED: The strategic mission training program will not be administered. Bomber crew members will not be provided the training and experience necessary to insure mission success. Sufficient munitions facilities are absolutely essential to support the mission of the formal training program.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However,

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE  B-52 TRAINING COMPLEX	5. PROJECT NUMBER  AWUB962309	
<p>this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New Construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE B-52 TRAINING COMPLEX	5. PROJECT NUMBER	AWUB962309
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 31	
(e) Date Design Complete	95 APR 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	110	
(b) All Other Design Costs	100	
(c) Total	210	
(d) Contract	160	
(e) In-house	50	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND				4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 1.03		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	1133	4267	2214				151	1185	275	9,225
b. End FY 2000	1116	4229	2107				151	1185	275	9,063
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 7,489)										
b. Inventory Total As Of: (30 SEP 94)	380,930									
c. Authorization Not Yet In Inventory:	21,640									
d. Authorization Requested In This Program:	12,886									
e. Authorization Included In Following Program: (FY 1997)	8,700									
f. Planned In Next Four Program Years:	39,300									
g. Remaining Deficiency:	80,200									
h. Grand Total:	543,656									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST		DESIGN STATUS					
			(\$000)		START	CMPL				
411-135	UNDERGROUND FUEL STORAGE TANKS	LS	6,886	AUG 94	SEP 95					
721-312	DORMITORY	108 PN	6,000	JUL 94	JUN 95					
		TOTAL:	12,886							
9a. Future Projects: Included in the Following Program (FY 1997)										
721-312 ALTER DORMITORIES		298 PN	8,700							
		TOTAL:	8,700							
9b. Future Projects: Typical Planned Next Four Years:										
121-122	REPAIR HYDRANT FUELING SYSTEM	LS	5,900							
141-784	ADD TO AND ALTER PASSENGER TERMINAL/BASE OPERATIONS	26,000 SF	3,950							
411-135	IMPROVE JET FUEL STORAGE	LS	8,250							
610-287	REPAIR SPECIFIED HEADQUARTERS	LS	4,000							
740-884	CHILD DEVELOPMENT CENTER ..	24,000 SF	4,500							
10. Mission or Major Functions: An airlift wing with four squadrons that perform Presidential support and special air missions with (C-9, C-20, C-21, C-137, and VC-25 and UH-1 aircraft); an AFRES airlift wing with a C-141 squadron; Air National Guard (ANG) wing with a F-16 squadron and a C-21/C-22 airlift squadron; ANG Readiness Center; and a major USAF medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	1,800									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 4.18.56	6. CATEGORY CODE 411-135	7. PROJECT NUMBER AJXF963100	8. PROJECT COST (\$000) 6,886	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	88		5,706
UPGRADE UNDERGROUND STORAGE TANKS	EA	6	52,000	( 312)
UNDERGROUND STORAGE TANKS	EA	24	134,000	(3,216)
ABOVEGROUND STORAGE TANKS	EA	17	63,000	(1,071)
TANK REMOVAL/DISPOSAL	EA	41	27,000	(1,107)
SUPPORTING FACILITIES		1		200
UTILITIES	LS			( 110)
SITE IMPROVEMENTS	LS			( 90)
SUBTOTAL				5,906
CONTINGENCY (10%)				591
TOTAL CONTRACT COST				6,497
SUPERVISION, INSPECTION AND OVERHEAD (6%)				390
TOTAL REQUEST				6,887
TOTAL REQUEST (ROUNDED)				6,886

10. Description of Proposed Construction: Remove 41 underground storage tanks, upgrade 6 underground storage tanks, install 24 new underground storage tanks and 17 new aboveground storage tanks (ASTs). Work includes providing leak detection, corrosion protection and spill/overflow prevention systems, screen filters, site work, utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Remove, replace, and upgrade underground fuel storage tanks.  
(Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. This project is required to upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection and corrosion protection, and all ASTs to have spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible.

CURRENT SITUATION: The underground fuel tanks at Andrews AFB do not meet federal law (40 CFR 280) and state requirements for leak detection and cathodic protection. All of the regulated USTs require annual integrity (tightness) testing, daily fluid level monitoring and monthly inventory reconciliation and control. The existing deficiencies must be corrected by December 1998 to prevent violation of federal regulation.

IMPACT IF NOT PROVIDED: Failure to bring the USTs into environmental compliance will result in Andrews AFB receiving a Notice of Violation (NOV) from the EPA. This will ultimately result in fines and unfavorable publicity for the Air Force and DoD. All tanks must meet regulations or

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER AJXF963100	
<p>be permanently closed. The absence of sufficient fuel storage due to mandatory tank closure would seriously jeopardize the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory and operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER AJXF963100	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 26	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 12	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	410	
(b) All Other Design Costs	390	
(c) Total	800	
(d) Contract	600	
(e) In-house	200	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER AJXF963006	8. PROJECT COST (\$000) 6,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (108 PN)				3,907
DORMITORY	SF	38,300	100	(3,830)
AUTOMATIC SPRINKLER PROTECTION	SF	38,300	2	( 77)
SUPPORTING FACILITIES				1,500
UTILITIES	LS			( 200)
PAVEMENTS	LS			( 185)
SITE IMPROVEMENTS	LS			( 100)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	67,500	15	(1,015)
<b>SUBTOTAL</b>				<b>5,407</b>
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				<b>5,677</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				341
TOTAL REQUEST				<b>6,018</b>
TOTAL REQUEST (ROUNDED)				<b>6,000</b>
10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage, and lounge areas, demolition of five dorms and all necessary support.				
Air Conditioning: 80 Tons. Grade Mix: 108 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.				
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities with interior hallways and central latrines do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient room-to-room noise attenuation to adequately house enlisted personnel. This project for 192 personnel allows for the demolition of five small dysfunctional, and substandard dormitories totalling 67,500 square feet. These five substandard facilities currently house 140 personnel who will be relocated to the new dormitory. To further reduce the substandard condition, an alteration project for two dormitories is programmed in FY97.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER AJXF963006	
<p><u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue to prevail if these inefficient and substandard dormitories remain in use.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	AJXF963006
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 18	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	50%	
(d) Date 35% Designed.	94 OCT 15	
(e) Date Design Complete	95 JUN 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	ANDREWS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	80	
(b) All Other Design Costs	389	
(c) Total	469	
(d) Contract	404	
(e) In-house	65	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>COLUMBUS AIR FORCE BASE, MISSISSIPPI</b>			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX <b>0.79</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	374	777	346	132			5	13	1,647	
b. End FY 2000	378	535	221	152			5	13	1,304	
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,017)									120,895	
b. Inventory Total As Of: (30 SEP 94)									16,100	
c. Authorization Not Yet In Inventory:									1,150	
d. Authorization Requested In This Program:									0	
e. Authorization Included In Following Program: (FY 1997)									15,050	
f. Planned In Next Four Program Years:									20,650	
g. Remaining Deficiency:									173,845	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
179-511 FIRE TRAINING FACILITY		LS	1,150	MAR 94	JAN 95					
		TOTAL:	1,150							
9a. Future Projects: Included in the Following Program (FY 1997)	NONE									
9b. Future Projects: Typical Planned Next Four Years:										
149-962 CONTROL TOWER		1 EA	2,600							
211-153 NONDESTRUCTIVE INSPECTION FACILITY		8,600 SF	2,500							
211-179 FUEL SYSTEMS MAINTENANCE DOCK		9,900 SF	1,550							
831-165 WASTEWATER TREATMENT PLANT		1 MG	8,400							
10. Mission or Major Functions: A flying training wing that conducts Undergraduate Pilot Training with T-37 and T/AT38 aircraft. Base will receive T-1 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION COLUMBUS AIR FORCE BASE, MISSISSIPPI		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER EEPZ963006	8. PROJECT COST (\$000) 1,150	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			850
SUPPORTING FACILITIES				180
UTILITIES	LS			( 80)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
<b>SUBTOTAL</b>				<b>1,030</b>
CONTINGENCY (5%)				52
<b>TOTAL CONTRACT COST</b>				<b>1,082</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				65
<b>TOTAL REQUEST</b>				<b>1,147</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>1,150</b>
10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.				
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA <u>PROJECT:</u> Construct a fire training facility. (Current Mission) <u>REQUIREMENT:</u> This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. <u>CURRENT SITUATION:</u> The existing facility does not meet the CWA requirements and has been closed since January 1994; thus, live fire training cannot currently be conducted. Minimal training is conducted using a mock-up structure with no fire or heat capability. This training does not comply with Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
COLUMBUS AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER EEPZ963006	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  COLUMBUS AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE  FIRE TRAINING FACILITY	5. PROJECT NUMBER  EEPZ963006	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 25	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	94 SEP 30	
(e) Date Design Complete	95 JAN 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	55	
(b) All Other Design Costs	25	
(c) Total	80	
(d) Contract	55	
(e) In-house	25	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.84			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED		TOTAL		
	OFF	ENL	CIV	OFF	ENL	CIV				
a. As of 30 SEP 94	964	3874	2280	594	2162		7	347	97	10,325
b. End FY 2000	991	3900	2152	558	2613		7	347	97	10,665
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,546)										
b. Inventory Total As Of: (30 SEP 94)	280,071									
c. Authorization Not Yet In Inventory:	18,100									
d. Authorization Requested In This Program:	6,500									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	6,000									
g. Remaining Deficiency:	13,400									
h. Grand Total:	324,071									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)	DESIGN		STATUS		
CODE	PROJECT TITLE					START	CMPL			
721-312	STUDENT DORMITORY			120 PN	6,500	JUL 94	JUN 95			
				TOTAL:	6,500					
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
610-281	BASE CONTRACTING FACILITY			11,700 SF	1,700					
824-464	UPGRADE BASE GAS SYSTEM			LS	4,300					
10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation squadron; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI		4. PROJECT TITLE STUDENT DORMITORY		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER MAHG953000	8. PROJECT COST (\$000) 6,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STUDENT DORMITORY (120 PN)				4,345
DORMITORY	SF	42,600	100	(4,260)
AUTOMATIC SPRINKLER PROTECTION	SF	42,600	2	( 85)
SUPPORTING FACILITIES				1,450
UTILITIES	LS			( 500)
SITE IMPROVEMENTS	LS			( 650)
PAVEMENTS	LS			( 300)
SUBTOTAL				5,795
CONTINGENCY (5%)				290
TOTAL CONTRACT COST				6,085
SUPERVISION, INSPECTION AND OVERHEAD (6%)				365
TOTAL REQUEST				6,450
TOTAL REQUEST (ROUNDED)				6,500
10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof system. Includes storage and laundry areas, and all utilities, HVAC, landscaping, fire protection, and support as required.				
Air Conditioning: 350 Tons. Grade Mix: 120 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a student dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Adequate on-base living quarters are required to accommodate enlisted students and to ensure that an environment conducive to studying is available. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 120 personnel: 120 E1-E4, with a maximum utilization of 120 personnel.				
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities were constructed 40 years ago to design standards and criteria in effect at that time. These facilities have central latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and foundation problems.				
<u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE STUDENT DORMITORY	5. PROJECT NUMBER MAHG953000	
<p>maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE <b>STUDENT DORMITORY</b>	5. PROJECT NUMBER <b>MAHG953000</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 30	
(e) Date Design Complete	95 JUN 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	260	
(b) All Other Design Costs	130	
(c) Total	390	
(d) Contract	260	
(e) In-house	130	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.05			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	442	3002	671				9	33	168	4,325
b. End FY 2000	306	2495	587				29	33	168	3,618
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,958)										
b. Inventory Total As Of: (30 SEP 94)									562,244	
c. Authorization Not Yet In Inventory:									118,028	
d. Authorization Requested In This Program:									24,600	
e. Authorization Included In Following Program: (FY 1997)									1,200	
f. Planned In Next Four Program Years:									23,850	
g. Remaining Deficiency:									62,820	
h. Grand Total:									792,742	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)		DESIGN STATUS					
			<u>START</u>	<u>CMPL</u>						
113-321	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	LS	1,500	APR 94	SEP 95					
171-212	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	15,000 SF	4,100	OCT 90	SEP 95					
211-173	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	52,500 SF	15,500	APR 94	SEP 95					
880-232	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	2 EA	3,500	APR 94	SEP 95					
		TOTAL:	24,600							
9a. Future Projects: Included in the Following Program (FY 1997)										
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES	LS	1,200							
		TOTAL:	1,200							
9b. Future Projects: Typical Planned Next Four Years:										
442-758	WAREHOUSE	107,000 SF	9,900							
740-443	TRANSIENT LODGING FACILITY.	8 UN	750							
740-674	PHYSICAL FITNESS CENTER	14,500 SF	2,500							
851-147	B-2 BASE ROADS	6,000 LF	4,500							
880-232	ADD TO AND ALTER FIRE SUPPRESSION SYSTEM	LS	6,200							
10. Mission or Major Functions: A bomb wing with one squadron of B-2 aircraft; an Air Force Space Command missile wing consisting of one Minuteman II intercontinental ballistic missile squadron (scheduled to inactive by FY 96/1) with HH-1 aircraft; and an Air Force Reserve fighter wing with one A/AO-10 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									3,000	
b. Water pollution:									14,190	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		4. PROJECT TITLE B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY		
5. PROGRAM ELEMENT 1.11.27C	6. CATEGORY CODE 113-321	7. PROJECT NUMBER YWHG969206	8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	LS			1,011
APRON AND TAXIWAY	SY	7,000	93	( 651)
CONVOY ROAD	SY	8,000	45	( 360)
SUPPORTING FACILITIES				350
HYDRANT OUTLETS	EA	2	100,000	( 200)
SITE IMPROVEMENTS	LS			( 150)
SUBTOTAL				1,361
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				<u>1,429</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				86
TOTAL REQUEST				<u>1,515</u>
TOTAL REQUEST (ROUNDED)				1,500
10. Description of Proposed Construction: Level and grade site; install drainage tile and pipe, and tie into drainage system; construct rigid pavement aprons and taxiway and a munitions convoy route rated for heavy loading. Install hydrant fueling outlets and other necessary support.				
11. REQUIREMENT: 773,141 SY ADEQUATE: 758,141 SY SUBSTANDARD: 0				
<u>PROJECT:</u> Add to B-2 aircraft apron, convoy road, and taxiway. (New Mission)				
<u>REQUIREMENT:</u> This project constructs access pavements to the new FY96 maintenance docks (docks 11 & 12) from existing taxiway. It also provides access pavement for munitions trailers to enter the back side of the new maintenance docks from an existing convoy road. Munitions must be loaded from the back of the aircraft per system design. Two hydrant outlets are required to support refueling operations for the aircraft.				
<u>CURRENT SITUATION:</u> There are no existing access aprons, taxiways, or munitions convoy roads for providing access to the new aircraft maintenance docks #11 and #12, which are being constructed in FY96. No refueling outlets are currently available to support refueling for the aircraft.				
<u>IMPACT IF NOT PROVIDED:</u> There will be no pavement areas surrounding the new maintenance docks to allow access by the aircraft or munitions vehicles and trailers. There will also be no hydrant refueling outlets to support the aircraft which are sheltered and maintained in the new docks.				
<u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation by the prime contractor.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	5. PROJECT NUMBER YWHG969206	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 04	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 04	
(e) Date Design Complete	95 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	WHITEMAN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	90	
(b) All Other Design Costs	52	
(c) Total	142	
(d) Contract		
(e) In-house	142	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		4. PROJECT TITLE B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY		
5. PROGRAM ELEMENT 1.11.27C	6. CATEGORY CODE 171-212	7. PROJECT NUMBER YWHG969203	8. PROJECT COST (\$000) 4,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	SF	15,000	200	3,000 695
SUPPORTING FACILITIES				
UTILITIES	LS			( 220)
PAVEMENTS	SY	9,300	35	( 325)
SITE IMPROVEMENTS	LS	:		( 115)
RED/BLACK POWER SEPARATION	LF	9,000	4	( 35)
SUBTOTAL				3,695
CONTINGENCY (5%)				185
TOTAL CONTRACT COST				3,880
SUPERVISION, INSPECTION AND OVERHEAD (6%)				233
TOTAL REQUEST				4,113
TOTAL REQUEST (ROUNDED)				4,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(19,000)
10. Description of Proposed Construction: Addition to an existing simulator facility which will include site improvements, foundations, reinforced concrete, masonry and steel structure, electric, water, high bay simulator area with overhead crane, fire protection, security and communication systems, raised computer floors, pavements, red/black power separation, and other necessary support.				
Air Conditioning: 150 Tons.				
11. REQUIREMENT: 35,000 SF ADEQUATE: 20,000 SF SUBSTANDARD: 0				
<u>PROJECT:</u> Add to a B-2 flight simulator training facility. (New Mission)				
<u>REQUIREMENT:</u> The B-2 mission requires an adequate facility, properly sized and configured, to house three flight simulators for classified mission qualification and continued flight training. This addition to the existing simulator facility will house the third flight simulator and associated areas to support B-2 classified advanced upgrade training. Associated support spaces include instructor offices, administrative support areas, environmentally controlled computer support, weapon systems operator training areas, security control, mechanical and equipment maintenance rooms, and contractor support areas. A secure facility is required for highly classified materials and training simulations. Red/black electrical power separation is necessary to prevent the unauthorized access to classified signal emissions.				
<u>CURRENT SITUATION:</u> The existing Combat Crew Training Squadron (CCTS) facility currently houses two equipment simulators and cannot accommodate the third equipment simulator that has been purchased as part of the initial buy of B-2 aircraft. The simulator is in development and is scheduled for delivery in FY 97. The first two simulators support the day-to-day training requirements of the B-2 combat crew training unit and				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE  B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	5. PROJECT NUMBER  YWHG969203	
<p>one operational squadron. The third simulator will be used to provide advanced B-2 training for the second operational squadron. There is no other existing facility available to house the simulator for operation. The simulator will be stored in a secure warehouse until the construction of this project is complete.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this project, a facility will not be available for the third simulator. The third simulator will not be available to provide B-2 training. This action will restrict the units ability to meet operational training requirements. Combat training, flight qualification, and emergency and safety procedures training will not be fully performed. The unit's mission readiness will be severely degraded.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." The scope of this project was developed with participation by the prime contractor. The simulator will be installed by a contractor, with funds from other B-2 appropriations. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION			
WHITEMAN AIR FORCE BASE, MISSOURI			
4. PROJECT TITLE B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	5. PROJECT NUMBER YWHG969203		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	90 OCT 20		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	94 APR 04		
(e) Date Design Complete	95 SEP 09		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	246		
(b) All Other Design Costs	182		
(c) Total	428		
(d) Contract	246		
(e) In-house	182		
(4) Construction Start 96 JAN			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED (\$000)	COST (\$000)
B-2 SIMULATOR	3010	1989	19000

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		4. PROJECT TITLE B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM		
5. PROGRAM ELEMENT 1.11.27C	6. CATEGORY CODE 211-173	7. PROJECT NUMBER YWHG969202	8. PROJECT COST (\$000) 15,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM				12,256
AIRCRAFT MAINTENANCE DOCKS	SF	52,500	160	( 8,400)
HYDRANT FUELING SYSTEM	LS			( 3,856)
SUPPORTING FACILITIES				1,685
UTILITIES	LS			( 375)
SITE IMPROVEMENTS	LS			( 440)
AIRFIELD PAVEMENTS	LS			( 430)
BLAST DEFLECTORS	LS			( 440)
SUBTOTAL				13,941
CONTINGENCY (5%)				697
TOTAL CONTRACT COST				14,638
SUPERVISION, INSPECTION AND OVERHEAD (6%)				878
TOTAL REQUEST				15,516
TOTAL REQUEST (ROUNDED)				15,500
10. Description of Proposed Construction: Steel frame structures with powered hangar doors and fire protection. Integrated Technical Data System (ITDS), Consolidated Aircraft Maintenance System (CAMS) and security, oil/water separator, fuel piping from hydrant loop, blast deflectors, Consolidated Aircraft Support Systems (CASS), and all support. Retrofit 14 existing B-2 docks with humidity control and utility outlets. Air Conditioning: 130 Tons.				
11. REQUIREMENT: 414,160 SF ADEQUATE: 256,660 SF				
SUBSTANDARD: 52,500 SF				
<u>PROJECT:</u> Construct two B-2 aircraft maintenance docks and hydrant fueling system. (New Mission)				
<u>REQUIREMENT:</u> This project will provide two maintenance docks, a hydrant fueling system, and retrofit existing docks with humidity control and utility outlets. A total of 18 enclosed maintenance spaces are required (14 maintenance docks, 2 maintenance hangars, 1 fuel cell, and 1 corrosion control facility). Fourteen spaces have already been provided and the final 2 docks (13 and 14) will be programmed in a future program. The B-2 maintenance docks are constructed in pairs because they share a common hydrant fuel/CASS area. Covered spaces are required to protect the composite materials used on low observable aircraft. The rear of the dock must be constructed to withstand the jet blast of the aircraft as it taxies out. Rear doors are sized for access by munitions loading trailers. The dock must be securable to prevent unauthorized access. These docks are being constructed in phases to accommodate aircraft delivery and to take advantage of economies of scale. Refueling and CASS provisions are required at each space.				
<u>CURRENT SITUATION:</u> Three maintenance spaces (fuel cell, corrosion control				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM		YWHG969202
<p>and one dock) were provided through the FY 88 MILCON and three in FY 89 MILCON (alter existing hangar = 2 spaces, and 1 dock). Two maintenance docks are in FY 91, two in FY 93, two in FY 94, and two in FY 95. This project constructs two docks and two additional spaces will be programmed in future programs. No additional facilities are available to convert to covered spaces for aircraft already authorized.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without complete capability to service the aircraft while on the ground, aircraft availability will be reduced and mission effectiveness will suffer. Such tasks as structural and propulsion maintenance, which have to be performed frequently, will take much longer. Repaint downtimes will also increase. Turn-around times will be adversely affected.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime aircraft contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	5. PROJECT NUMBER YWHG969202	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 04	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 09	
(e) Date Design Complete	95 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	WHITEMAN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	628	
(b) All Other Design Costs	628	
(c) Total	628	
(d) Contract	628	
(e) In-house		
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		4. PROJECT TITLE B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS		
5. PROGRAM ELEMENT 1.11.27	6. CATEGORY CODE 880-232	7. PROJECT NUMBER YWHG969204	8. PROJECT COST (\$000) 3,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	SF	144,000	18	2,592
SUPPORTING FACILITIES				425
UTILITIES	LS			( 425 )
SUBTOTAL				3,017
CONTINGENCY (10%)				302
TOTAL CONTRACT COST				3,319
SUPERVISION, INSPECTION AND OVERHEAD (6%)				199
TOTAL REQUEST				3,518
TOTAL REQUEST (ROUNDED)				3,500
10. Description of Proposed Construction: Retrofit two existing B-2 maintenance docks for advanced technology fire protection by installing the inverted deluge system (IDS). Includes utilities, telemetry, fire department tie-ins and necessary support.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Add to and alter dock fire protection systems with installation of IDS advanced technology fire suppression in two of the eight existing docks. (New Mission) <u>REQUIREMENT:</u> National Fire Protection Association (NFPA) and implementing Air Force Policy require aircraft maintenance areas be provided with a pre-action closed-head aqueous film forming foam (AFFF) sprinkler system with rate compensation devices. The IDS is required in all B-2 maintenance docks. A fire must be detected and extinguished within 17-20 seconds to prevent damage or delamination of the composite materials used on the exterior surfaces of the B-2 bomber. <u>CURRENT SITUATION:</u> The development of advanced technology (stealth) composite materials for the exterior surfaces of the B-2 bomber has introduced a shorter time factor for detection and suppression of a fire before damage occurs. Fire protection/suppression technology has been developed and tested to react to this new requirement and must be retrofitted into eight existing B-2 maintenance docks. Two docks were programmed for retrofitting with IDS in FY95 and two more docks will be completed with this project. Another project in a future year will be programmed to complete installation of IDS in the remaining four docks. All future maintenance docks will include IDS during construction. <u>IMPACT IF NOT PROVIDED:</u> The most effective available fire protection technology will not be in place to protect a very valuable and limited Air				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	YWHG969204	
<p>Force resource, the B-2 Stealth Bomber.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. Upgrade is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	YWHG969204	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 04	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 17	
(e) Date Design Complete	95 SEP 30	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	WHITEMAN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	210	
(b) All Other Design Costs	24	
(c) Total	234	
(d) Contract		
(e) In-house	234	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>NELLIS AIR FORCE BASE, NEVADA</b>			4. COMMAND <b>AIR COMBAT COMMAND</b>				5. AREA CONST COST INDEX <b>1.11</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	891	6317	1064				8	27	254	8,561
b. End FY 2000	775	5391	838				8	27	254	7,293
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 24,419)										
b. Inventory Total As Of: (30 SEP 94)	375,963									
c. Authorization Not Yet In Inventory:	11,480									
d. Authorization Requested In This Program:	10,500									
e. Authorization Included In Following Program: (FY 1997)	1,350									
f. Planned In Next Four Program Years:	12,096									
g. Remaining Deficiency:	35,650									
h. Grand Total:	447,039									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPY</u>					
721-315	VISITING QUARTERS	210 PN	9,900	SEP 93	APR 95					
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	600	APR 94	JUL 95					
TOTAL:			10,500							
9a. Future Projects: Included in the Following Program (FY 1997)										
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES	LS	1,350							
TOTAL:			1,350							
9b. Future Projects: Typical Planned Next Four Years:										
141-456	OPERATIONS FACILITY	17,000 SF	3,596							
721-315	VISITING AIRMEN QUARTERS	175 PN	8,500							
10. Mission or Major Functions: Air Warfare Center; a flying wing that includes the Weapons School (A-10, F-15, F-15E, and F-16 aircraft), a fighter squadron, an adversary threat group (Red Flag), a test squadron (F-4G, F-15 and F-16 aircraft), the USAF Air Demonstration Squadron (Thunderbirds), and a HH-60 rescue squadron; Air Force Combat Rescue School; a joint training unit (Air Warrior); a RED HORSE Squadron; and an Air Force Materiel Command Munitions Squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	4,850									
b. Water pollution:	15,690									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		4. PROJECT TITLE VISITING QUARTERS		
5. PROGRAM ELEMENT 2.75.96C	6. CATEGORY CODE 721-315	7. PROJECT NUMBER RKMF953008	8. PROJECT COST(\$000) 9,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
VISITING QUARTERS (210 PN)	SF	66,000		7,062
VISITING QUARTERS	SF	66,000	105	(6,930)
AUTOMATIC SPRINKLER PROTECTION	SF	66,000	2	( 132)
SUPPORTING FACILITIES				1,830
UTILITIES	LS			( 655)
PAVEMENTS	LS			( 560)
SITE IMPROVEMENTS	LS			( 615)
SUBTOTAL				8,892
CONTINGENCY (5%)				445
TOTAL CONTRACT COST				9,337
SUPERVISION, INSPECTION AND OVERHEAD (6%)				560
TOTAL REQUEST				9,897
TOTAL REQUEST (ROUNDED)				9,900
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and metal roof. Includes room with private bath modules, laundry facilities, small exercise area, lounge area, TDY processing center, and other necessary support. Air Conditioning: 150 Tons. Grade Mix: 10 O4-O10; 100 E1-E4; 100 E5-E6.				
<p><u>11. REQUIREMENT:</u> 1,058 PN <u>ADEQUATE:</u> 498 PN <u>SUBSTANDARD:</u> 0  <u>PROJECT:</u> Construct visiting quarters. (Current Mission)  <u>REQUIREMENT:</u> This is a Level I Commanders' Facility Assessment requirement. Nellis AFB hosts major exercises designed to maintain and enhance the combat-readiness of Air Force fighter and bomber aircrew and aircraft support personnel. These exercises include Red Flag, Green Flag, and Air Warrior. During these exercises, large numbers of personnel stationed at other installations throughout the United States are temporarily assigned to Nellis AFB, generating a significant demand for temporary quarters.</p> <p><u>CURRENT SITUATION:</u> Nellis AFB has a severe shortage of transient quarters and is able to accommodate less than half the average nightly demand. Additionally, the demand for rooms exceeds the supply more than 75 percent of the time. The average number of bedspaces required per night is 1058 (officers and enlisted combined) and the on-base capacity is only 498. Personnel who cannot be accommodated on-base are sent to hotels and motels in the Las Vegas area. Personnel assigned to these off-base accommodations require transportation to the base and typically spend an average of one hour daily commuting back and forth from the hotel to the flightline/exercise area. Flag exercises are held an average of five times per year and run for six weeks, generating approximately half the</p>				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE  VISITING QUARTERS	5. PROJECT NUMBER  RKMF953008	
<p>total transient population at Nellis AFB. The number of personnel participating in these exercises often brings the nightly demand for bedspaces up to 2,000, resulting in a need to house up to 1,500 persons off base. While this project will not provide a facility capable of housing all exercise personnel during these peak periods, the numbers of key and essential personnel sent off base will be considerably reduced. Currently, Nellis AFB annually contracts for over 218,000 bed-nights in the Las Vegas area at a cost of approximately \$4.2 million per year, not including increased costs for transportation and food allowance. At the completion of this project, the annual requirement for off-base accommodations will be reduced to 71,000 bed-nights, a net reduction of 67 percent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Large numbers of exercise participants will continue to be housed off-base at increased costs. The Air Force will continue to pay lodging and per diem to the personnel housed off-base, resulting in a much higher annual cost than on-base accommodations.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, "Fire Protection for Facilities". Cost for fire protection systems is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE VISITING QUARTERS	5. PROJECT NUMBER	RKMF953008
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 13	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	93 NOV 04	
(e) Date Design Complete	95 APR 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	375	
(b) All Other Design Costs	240	
(c) Total	615	
(d) Contract		
(e) In-house	615	
(4) Construction Start 95 NOV		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE
3. INSTALLATION AND LOCATION <b>MCGUIRE AIR FORCE BASE, NEW JERSEY</b>			4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX <b>1.19</b>		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	532	3627	1596					231	5,986
b. End FY 2000	548	3519	1514					231	5,812
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 3,602)									
b. Inventory Total As Of: (30 SEP 94)									<b>243,986</b>
c. Authorization Not Yet In Inventory:									<b>47,400</b>
d. Authorization Requested In This Program:									<b>9,200</b>
e. Authorization Included In Following Program: (FY 1997)									<b>6,200</b>
f. Planned In Next Four Program Years:									<b>15,200</b>
g. Remaining Deficiency:									<b>57,220</b>
h. Grand Total:									<b>379,206</b>
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> (\$000)		<u>DESIGN</u>		<u>STATUS</u>		
			START	CMPL					
141-753	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	41,500 SF	7,600	JUL 94	SEP 95				
179-511	FIRE TRAINING FACILITY	LS	1,600	JUL 94	AUG 95				
		TOTAL:	9,200						
9a. Future Projects: Included in the Following Program (FY 1997)									
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	31,600 SF	6,200						
		TOTAL:	6,200						
9b. Future Projects: Typical Planned Next Four Years:									
721-312	ALTER DORMITORIES	252 PN	8,000						
721-312	ALTER DORMITORIES	224 PN	5,600						
880-212	DELUGE SYSTEM	LS	1,600						
10. Mission or Major Functions: Headquarters Twenty-First Air Force; an air mobility wing with three C-141 squadrons and two KC-10A squadrons; the east coast Air Mobility Operations Group (AMOG); the Air Mobility Command Mobility Warfare Center; an Air Force Reserve C-141/KC-10 associate air mobility wing; and an Air National Guard air refueling wing with two KC-135 squadrons.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:									<b>3,700</b>
b. Water pollution:									<b>0</b>
c. Occupational safety and health:									<b>1,600</b>
d. Other Environmental:									<b>0</b>

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		
5. PROGRAM ELEMENT 4.12.19	6. CATEGORY CODE 141-753	7. PROJECT NUMBER PTFL953012	8. PROJECT COST (\$000) 7,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY SUPPORTING FACILITIES UTILITIES SITE IMPROVEMENTS PAVEMENTS DEMOLITION/ASBESTOS REMOVAL/DISPOSAL ELEVATOR	SF LS LS SF EA	41,500 2,500 1	140 22 100,000	5,810 990 ( 375) ( 200) ( 260) ( 55) ( 100) <hr/> 6,800 <hr/> 340 <hr/> 7,140 <hr/> 428 <hr/> 7,568 <hr/> 7,600
SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)				
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support.				
Air Conditioning: 85 Tons.				
11. REQUIREMENT: As required.				
PROJECT: Construct a KC-10 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)				
<p><u>REQUIREMENT:</u> This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the addition of 10 KC-10s expected in the 4th quarter of FY94. A total of 24 KC-10s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, standardization/evaluation, locker rooms, life support, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards.</p> <p>These efficiencies are essential to maintain mission tasking rates in AMC.</p> <p><u>CURRENT SITUATION:</u> There are no adequate facilities to support consolidated Sq Ops/AMU operations in support of wide framed aircraft at McGuire AFB. Currently there are eight operations and maintenance facilities in use. These facilities provide only half of the required</p>				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER PTFL953012	
<p>space to support the much larger unified KC-10 operations and maintenance functions. The operations' facilities are also overcrowded, improperly configured, and physically separated from the squadron maintenance personnel on the flightline. This creates fragmented lines of communications/authority. Aircrews and maintainers spend many hours away from duty location in an effort to obtain parts, organizational and mobility equipment, and required training. Other inefficiencies include lack of space for mission planning and briefings, inadequate space for storage and equipment storage, and inadequate electrical and mechanical systems. Most of the existing facilities will be reused to meet other mission requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separated buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER PTFL953012	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	45%	
(d) Date 35% Designed.	94 OCT 05	
(e) Date Design Complete	95 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MCGUIRE	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	250	
(b) All Other Design Costs	250	
(c) Total	500	
(d) Contract		
(e) In-house	500	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 4.18.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER PTFL963501	8. PROJECT COST (\$000) 1,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			1,200
SUPPORTING FACILITIES				215
UTILITIES	LS			( 75)
PAVEMENTS	LS			( 70)
SITE IMPROVEMENTS	LS			( <u>70</u> )
SUBTOTAL				1,415
CONTINGENCY (5%)				<u>71</u>
TOTAL CONTRACT COST				1,486
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>89</u>
TOTAL REQUEST				1,575
TOTAL REQUEST (ROUNDED)				1,600
10. Description of Proposed Construction: Construct a fire training facility to include, a 100 foot diameter environmentally approved fire training area with a large frame aircraft simulator, 1,000 gallon water capacity LPG tank, a fuel water separator, a lined effluent holding pond, pumps, piping system, and necessary support.				
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA <u>PROJECT:</u> Construct a fire training facility. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance project. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). This project constructs a fire training facility which meets CWA, Clean Air Act, and the Resource Conservation and Recovery Act requirements. The following features must be provided; impermeable liner below the burn area, fuel/water separator and nondischarging effluent holding pond to prevent contamination of soil and groundwater. Live fire training is an FAA established quarterly training requirement for the fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable environmental requirements. <u>CURRENT SITUATION:</u> The existing live fire training facility does not meet the CWA requirements and has been closed since Oct 1982. Live fire training requirements defined by Air Force regulations are not being met. An undersized aircraft mock-up structure with no fire or heat capability is used to provide minimal training. There are no environmentally approved live fire training facilities in the local area. Structural fire training is provided only when facilities are burned for purposes of demolition.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER PTFL963501	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the fire fighter and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.</p> <p><u>ADDITIONAL:</u> There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER PTFL963501	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	45%	
(d) Date 35% Designed.	94 OCT 15	
(e) Date Design Complete	95 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	FAIRCHIL	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	90	
(b) All Other Design Costs	90	
(c) Total	180	
(d) Contract	140	
(e) In-house	40	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO			4. COMMAND AIR COMBAT COMMAND					5. AREA CONST COST INDEX 0.95		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	552	4550	508				1	9	41	5,661
b. End FY 2000	310	3001	352				1	9	41	3,714
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,537)										
b. Inventory Total As Of: (30 SEP 94)									236,340	
c. Authorization Not Yet In Inventory:									13,615	
d. Authorization Requested In This Program:									10,420	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									7,500	
g. Remaining Deficiency:									31,632	
h. Grand Total:									299,507	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
831-165	WASTEWATER TREATMENT AND DISPOSAL PLANT	LS	9,800	MAR 94	JUL 95					
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	620	MAR 94	JUN 95					
		TOTAL:	10,420							
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
149-962	CONTROL TOWER	1 EA	2,500							
211-177	SMALL ACFT MAINTENANCE DOCK	28,000 SF	5,000							
10. Mission or Major Functions: A fighter wing which includes three F-111 fighter squadrons, a fighter training squadron responsible for training all F-111 aircrews, and an electronic combat EF-111 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									3,800	
b. Water pollution:									14,990	
c. Occupational safety and health:									0	
d. Other Environmental:									8,500	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE WASTEWATER TREATMENT AND DISPOSAL PLANT		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 831-165	7. PROJECT NUMBER CZQZ930255	8. PROJECT COST (\$000) 9,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WASTEWATER TREATMENT AND DISPOSAL PLANT	LS			6,599
SUPPORTING FACILITIES				2,165
UTILITIES	LS			( 295)
PAVEMENTS	LS			( 170)
SITE IMPROVEMENTS	LS			(1,505)
START-UP, TRAINING AND O&M MANUALS	LS			( 195)
SUBTOTAL				8,764
CONTINGENCY (5%)				438
TOTAL CONTRACT COST				9,202
SUPERVISION, INSPECTION AND OVERHEAD (6%)				552
TOTAL REQUEST				9,754
TOTAL REQUEST (ROUNDED)				9,800
10. Description of Proposed Construction: Construct a one million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Sitework will include construction of a wetlands area and other necessary support. Provide construction, operation and discharge permits, operation and maintenance (O&M) manual and one year start-up contract.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a wastewater treatment and disposal plant. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. Existing unlined, unpermitted lagoons do not meet the requirements for either surface impoundments, under the Resource Conservation and Recovery Act (RCRA), or wastewater discharge, under the Clean Water Act (CWA). This construction will bring the base into compliance.				
<u>CURRENT SITUATION:</u> The existing wastewater treatment facilities (lagoons) were built in 1966 and 1967, and provide primary and secondary treatment. The lagoons discharge to an on-base lake that provides storage, evaporation and percolation. A local farmer uses water from this lake for irrigation of non direct human food chain crops. The current system does not have a National Pollution Discharge Elimination System (NPDES) permit, and discharge of untreated industrial process wastewater can cause the existing lagoons to be designated as Solid Waste Management Units (SWMUs) and require their cleanup under RCRA.				
<u>IMPACT IF NOT PROVIDED:</u> Continued operation of the base's existing unlined lagoons could result in a Notice of Violation (NOV) of federal or state regulations, and in fines and penalties of up to \$25,000 per day per violation. Closure of the lagoons will effectively prevent the use of the				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
WASTEWATER TREATMENT AND DISPOSAL PLANT	CZQZ930255	

only wastewater treatment system available.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE <b>WASTEWATER TREATMENT AND DISPOSAL PLANT</b>	5. PROJECT NUMBER <b>CZQZ930255</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 24	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 JUN 16	
(e) Date Design Complete	95 JUL 13	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	20	
(b) All Other Design Costs	530	
(c) Total	550	
(d) Contract	385	
(e) In-house	165	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 1.02			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	1358	2937	2588		18		135	151	914	10,101
b. End FY 2000	1375	3014	2586		18		135	151	914	10,193
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 44,025)										
b. Inventory Total As Of: (30 SEP 94)	447,941									
c. Authorization Not Yet In Inventory:	18,700									
d. Authorization Requested In This Program:	9,156									
e. Authorization Included In Following Program: (FY 1997)	1,500									
f. Planned In Next Four Program Years:	7,750									
g. Remaining Deficiency:	153,000									
h. Grand Total:	638,047									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
813-231	UPGRADE ELECTRIC DISTRIBUTION SYSTEM		LS	7,656	JUN 94	AUG 95				
871-183	UPGRADE STORM DRAINAGE SYSTEM		LS	1,500	TURN KEY					
TOTAL:				9,156						
9a. Future Projects: Included in the Following Program (FY 1997)										
832-266	ADD TO SANITARY SEWER SYSTEM	21,500 LF		1,500	TURN KEY					
TOTAL:				1,500						
9b. Future Projects: Typical Planned Next Four Years:										
141-453	BASE OPERATIONS	17,550 SF		2,350						
179-511	FIRE TRAINING FACILITY		LS	1,600						
880-221	ADD TO AND ALTER AUTO FIRE DETECTION SYSTEM		LS	3,800						
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command special operations wing with three flying training squadrons operating MH-53, TH-53, UH-1, MH-60, MC-130 and HC 130 aircraft; an air base wing; Air Force Security Police Agency; and an Air National Guard fighter group with one F-16 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	5,750									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE UPGRADE ELECTRIC DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT 7.28.06	6. CATEGORY CODE 813-231	7. PROJECT NUMBER MHMV953007	8. PROJECT COST (\$000) 7,656	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE ELECTRIC DISTRIBUTION SYSTEM	LS			6,250
UPGRADE TRANSMISSION LINES	LS			(4,450)
UPGRADE SUBSTATIONS	LS			(1,800)
SUPPORTING FACILITIES				350
SITE IMPROVEMENTS	LS			(350)
SUBTOTAL				6,600
CONTINGENCY (10%)				660
TOTAL CONTRACT COST				<u>7,260</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				436
TOTAL REQUEST				<u>7,696</u>
TOTAL REQUEST (ROUNDED)				7,656

10. Description of Proposed Construction: Upgrade electric distribution systems by replacing 5 KV and 15 KV overhead distribution lines with 15 KV underground lines, and placing street lighting and building service lines underground; upgrade substations, replace switches and sectionalizers; provide fuel containment; upgrade supervisory control and data acquisition (SCADA) system and provide necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade eastside electrical distribution system. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electrical service to various base operations and missions at Kirtland Air Force Base. The existing system must be upgraded to meet National Electric Safety Code standards. Replacing low voltage lines and transformers and the installation of underground distribution lines is needed to improve system reliability and to reduce maintenance costs. The electrical distribution system must be capable of handling electrical harmonics (interference) so that computer and data systems operating within various base facilities are not corrupted. Failing utility poles must be disposed of and oil and fuel-fed generators require containment measures meeting EPA regulations.

CURRENT SITUATION: The electrical distribution system is rapidly failing and electrical power requirements exceed capacity to the extent that mission requirements are not being met. Maintenance and repairs to the system consume dwindling base operations and maintenance funds and manpower. Many utility poles and lines are failing and are susceptible to storm and wind damage. Electrical lines must be placed underground for

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE ELECTRIC DISTRIBUTION SYSTEM	MHMV953007	

safety, reliability and for ease of maintenance. Electrical interference (harmonics) travels within buildings, thereby corrupting the collection and transmission of data gathered during special weapon system testing. There are also many oil and fuel-filled generators which do not have the appropriate containment measures required by the EPA.

IMPACT IF NOT PROVIDED: The continued deterioration and failure of electric distribution system components will result in additional power outages, brownouts and low voltage situations, which negatively impact mission accomplishment and quality of life for personnel located within this area of the base.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE  UPGRADE ELECTRIC DISTRIBUTION SYSTEM	5. PROJECT NUMBER  MHMV953007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 20	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 30	
(e) Date Design Complete	95 AUG 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	420	
(b) All Other Design Costs	160	
(c) Total	580	
(d) Contract	470	
(e) In-house	110	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 7.80.56	6. CATEGORY CODE 871-183	7. PROJECT NUMBER MHHV963010	8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE SYSTEM	LS			1,136
STORM CULVERT	LF	3,200	230	( 736)
IMPROVE DRAINAGE CHANNEL	LS			( 400)
SUPPORTING FACILITIES				135
SITE IMPROVEMENTS	LS			( 50)
OUTLET STRUCTURE	LS			( 85)
SUBTOTAL				1,271
CONTINGENCY (10%)				127
TOTAL CONTRACT COST				1,398
SUPERVISION, INSPECTION AND OVERHEAD (6%)				84
TOTAL REQUEST				1,482
TOTAL REQUEST (ROUNDED)				1,500
10. Description of Proposed Construction: Redirect storm drainage channel by installing culvert, pipe, and outlet structure. Includes necessary support.				
11. REQUIREMENT: As required.  <u>PROJECT:</u> Upgrade storm drainage system. (Current Mission) <u>REQUIREMENT:</u> This is a Level I environmental compliance requirement. This project is required to comply with Clean Water Act requirements under 40 CFR 122.26 for storm water discharge. Kirtland Air Force Base is required to meet Section 2-201 of the New Mexico Water Quality Control Commission (WQCC) regulations, which do not allow disposal of refuse in a natural water course. A redirected storm drainage channel is required to preclude runoff through an existing closed landfill located in the Tijeros Arroyo. Rerouting the channel will prevent contamination of the water table and storm waters which flow through a closed landfill. A new culvert is needed to divert storm water around the landfill and minimize erosion and subsequent contamination of the Tijeros Arroyo below the landfill as recommended by the WQCC. <u>CURRENT SITUATION:</u> The base is in violation of Section 2-201 of the WQCC Regulation and received a Notice of Violation (NOV) on 4 Sep 90 for a similar uncontrolled discharge and for allowing refuse to enter Tijeros Arroyo. This landfill is located in the Arroyo and contains hazardous materials. A drainage channel from the base industrial area and runway empties into the Arroyo above the landfill. During heavy rains, storm waters uncover hazardous materials and wash them off base. The cap of the landfill has been breeched and storm waters leach through the landfill, possibly contaminating the water table. <u>IMPACT IF NOT PROVIDED:</u> Hazardous materials and debris will continue to				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER MHMV963010	
<p>be washed off-base or enter the water table. The base will be subject to potential fines of up to \$25,000 per day.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER MHMV963010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by one step turn key procedures		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Design Allowance		85
(4) Construction Start		96 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>POPE AIR FORCE BASE, NORTH CAROLINA</b>			4. COMMAND <b>AIR COMBAT COMMAND</b>				5. AREA CONST COST INDEX <b>0.86</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	552	3801	375						71	4,799
b. End FY 2000	550	3779	265						71	4,665
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 1,913)										
b. Inventory Total As Of: (30 SEP 94)	112,804									
c. Authorization Not Yet In Inventory:	37,610									
d. Authorization Requested In This Program:	8,250									
e. Authorization Included In Following Program: (FY 1997)	7,650									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	86,800									
h. Grand Total:	253,114									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>				
						<u>CODE</u>	<u>START</u>	<u>CMPY</u>		
141-753	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER			33,600 SF	6,100	AUG 94	DEC 95			
411-135	UNDERGROUND FUEL STORAGE TANKS			47 EA	2,150	AUG 94	SEP 95			
				TOTAL:	8,250					
9a. Future Projects:	Included in the Following Program (FY 1997)									
721-312	DORMITORY			200 PN	4,500					
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES			LS	1,000					
832-266	UPGRADE SANITARY SEWER SYSTEM			LS	2,150					
				TOTAL:	7,650					
9b. Future Projects:	Typical Planned Next Four Years:									
10. Mission or Major Functions: A composite wing which includes one F-16 squadron, one A/OA-10 squadron, and two C-130 squadrons; and Headquarters Joint Special Operations Command.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	3,000									
b. Water pollution:	4,000									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER		
5. PROGRAM ELEMENT 2.72.31	6. CATEGORY CODE 141-753	7. PROJECT NUMBER TMKH953012	8. PROJECT COST (\$000) 6,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	SF	48,200		4,904
SQUADRON OPERATIONS/AMU FACILITY	SF	44,000	100	(4,400)
AUDIOVISUAL SERVICES CENTER	SF	4,200	120	( 504)
SUPPORTING FACILITIES				595
UTILITIES	LS			( 205)
PAVEMENTS	LS			( 155)
LEASE INTERIM AMU FACILITIES	LS			( 160)
DEMOLITION	SF	9,600	8	( 75)
<b>SUBTOTAL</b>				5,499
CONTINGENCY (5%)				275
<b>TOTAL CONTRACT COST</b>				<b>5,774</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				346
<b>TOTAL REQUEST</b>				<b>6,120</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>6,100</b>
10. Description of Proposed Construction: Materials and labor to construct a 44,000 SF steel frame structure with concrete masonry walls, reinforced concrete flooring, and standing seam metal roof. Includes fire suppression systems, and other necessary support. Construct a 4,200 SF facility of similar construction materials to relocate an existing Audiovisual Services Center. Demolish two existing facilities.				
Air Conditioning: 120 Tons.				
<u>11. REQUIREMENT:</u> 86,000 SF <u>ADEQUATE:</u> 36,000 SF <u>SUBSTANDARD:</u> 0 <u>PROJECT:</u> Construct a consolidated C-130 squadron operations, aircraft maintenance unit (AMU), and an audiovisual services center. (New Mission) <u>REQUIREMENT:</u> This project is required to support the beddown of an additional C-130 squadron at Pope AFB. An adequate facility is required to plan, brief, and critique combat crews, direct flight operations, perform aircraft maintenance functions, and provide space for aircrew life support equipment storage, inspection, and servicing. A new audiovisual services center facility is also required. The existing substandard audiovisual center and a substandard AMU facility will be demolished as part of this requirement to provide a suitable site on the flightline for the new squadron operations facility. The C-130 AMU function will be housed in interim facilities during construction of the new facility. <u>CURRENT SITUATION:</u> There are no adequate facilities or sites available to house the new squadron operations/aircraft maintenance unit requirement. All existing facilities which can support this requirement are currently being used to full capacity for newly formed F-16, A-10, and C-130 composite wing squadrons. The only logical site which can support this requirement is currently the site for two inadequate facilities, one of which houses an aircraft maintenance unit, and the other an audiovisual				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	TMKH953012	

services center. This C-130 squadron was initially supposed to relocate to another installation and was using temporary facilities until the relocation was implemented. In 1993, the DoD force structure realignment action authorized the C-130 squadron to remain assigned to Pope AFB. This action created a facility shortage at Pope AFB and the squadron does not have adequate space to fully support operations, maintenance, and life support functions. Facilities under temporary use by the squadron must be returned to their original use by composite wing functions.

IMPACT IF NOT PROVIDED: The squadron will remain scattered in temporary facilities and will be unable to conduct operations efficiently due to the lack of adequate space. This unacceptable arrangement will also not be conducive to the functional operation and organizational concept of the unit and will prevent the squadron from conducting operations, maintenance, and life support functions in a manner required for wartime missions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade, new construction, leasing) was done. Because it indicates new construction is the only option that will meet operational requirements, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE <b>C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER</b>	5. PROJECT NUMBER <b>TMKH953012</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 02	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 26	
(e) Date Design Complete	95 DEC 06	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	LITTLE R	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	312	
(b) All Other Design Costs	26	
(c) Total	338	
(d) Contract		
(e) In-house	338	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 411-135	7. PROJECT NUMBER TMKH973001	8. PROJECT COST (\$000) 2,150	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	47		778
ABOVEGROUND STORAGE TANKS	EA	18	29,890	( 538)
TANK REMOVE/DISPOSAL	EA	29	8,280	( 240)
SUPPORTING FACILITIES				1,065
UTILITIES	LS			( 20)
SITE IMPROVEMENTS	LS			( 130)
SOIL REMEDIATION	LS			( 840)
TEMPORARY FACILITIES/FENCE	LS			( 60)
TEMPORARY FUEL SERVICE	LS			( 15)
<b>SUBTOTAL</b>				<b>1,843</b>
CONTINGENCY (10%)				184
<b>TOTAL CONTRACT COST</b>				<b>2,027</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				122
<b>TOTAL REQUEST</b>				<b>2,149</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>2,150</b>

10. Description of Proposed Construction: Excavate/remove 29 underground storage tanks (USTs). Dispose of tank residue and test soil at each site. Remediate contaminated soil. Install 18 above ground storage tanks (ASTs), with all associated mechanical equipment to meet Federal and State compliance standards.

11. REQUIREMENT: As required.

PROJECT: Remove and replace underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems.

CURRENT SITUATION: Underground storage tanks at Pope AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations.

IMPACT IF NOT PROVIDED: Failure to replace these tanks will result in an unacceptable risk of pollution. Additionally, Pope AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. If project is not accomplished by the established deadline, the base will be in violation of the law subject to receiving Notices of Violation, fines and significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER TMKH973001	
<p>Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER TMKH973001	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	94 AUG 03
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 AUG 29
(e) Date Design Complete	95 SEP 15

(2) Basis:

(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications	130
(b) All Other Design Costs	82
(c) Total	212
(d) Contract	172
(e) In-house	40

(4) Construction Start 95 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION SEYMORE-JOHNSON AIR FORCE BASE, NORTH CAROLINA			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.86			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	455	3625	569				1	6	130	4,786
b. End FY 2000	567	4251	505				1	6	130	5,460
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,115) b. Inventory Total As Of: (30 SEP 94) 196,480 c. Authorization Not Yet In Inventory: 19,110 d. Authorization Requested In This Program: 830 e. Authorization Included In Following Program: (FY 1997) 12,900 f. Planned In Next Four Program Years: 1,900 g. Remaining Deficiency: 45,140 h. Grand Total: 276,360										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
871-183 UPGRADE STORM DRAINAGE SYSTEM			LS	830	JUN 94	JUL 95				
			TOTAL:	830						
9a. Future Projects: Included in the Following Program (FY 1997)										
141-753 F-15 SQUADRON OPERATIONS/AMU/ ACADEMIC FACILITY			48,000 SF	6,300						
171-212 F-15 ADD TO SIMULATOR TRAINING SYSTEM SUPPORT CENTER			26,000 SF	6,600						
			TOTAL:	12,900						
9b. Future Projects: Typical Planned Next Four Years:										
411-135 JET FUEL STORAGE			4,000 SY	900						
730-142 ADD TO FIRE STATION			5,500 SF	1,000						
10. Mission or Major Functions: A flying wing with four F-15 fighter squadrons, one of which conducts F-15E initial qualification training; and a KC-10 air refueling squadron (scheduled to depart with timing to be determined); and an Air Force Reserve air refueling wing with one KC-135 squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 3,000 b. Water pollution: 7,200 c. Occupational safety and health: 0 d. Other Environmental: 0										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA			4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 0.98			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	718	3886	464				1	2	206	5,277
b. End FY 2000	712	3750	410				1	2	206	5,081
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,374)										
b. Inventory Total As Of: (30 SEP 94)	329,635									
c. Authorization Not Yet In Inventory:	12,900									
d. Authorization Requested In This Program:	14,800									
e. Authorization Included In Following Program: (FY 1997)	6,500									
f. Planned In Next Four Program Years:	21,300									
g. Remaining Deficiency:	39,550									
h. Grand Total:	424,685									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL		
141-753	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC				40,900 SF	6,300	MAR 94	MAR 95		
721-312	DORMITORY				180 PN	8,500	MAY 94	SEP 95		
					TOTAL:	14,800				
9a. Future Projects: Included in the Following Program (FY 1997)										
141-753	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC				40,900 SF	6,500				
					TOTAL:	6,500				
9b. Future Projects: Typical Planned Next Four Years:										
113-321	UPGRADE AIRCRAFT PARKING APRON				LS	6,400				
690-000	PROCUREMENT FACILITY				8,500 SF	1,400				
721-312	ALTER DORMITORY				253 PN	4,200				
721-312	DORMITORY				130 PN	4,300				
831-155	INDUSTRIAL WASTEWATER TREATMENT FACILITIES				LS	5,000				
10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons; and an Air Force Space Command missile group with three Minuteman III intercontinental ballistic squadrons with HH-1 helicopters).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			
5. PROGRAM ELEMENT 4.12.18	6. CATEGORY CODE 141-753	7. PROJECT NUMBER JFSD963500	8. PROJECT COST (\$000) 6,300		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY	SF	40,900	120	4,908	
SUPPORTING FACILITIES				725	
UTILITIES	LS			( 220)	
PAVEMENTS	LS			( 165)	
SITE IMPROVEMENTS	LS			( 190)	
ELEVATOR	EA	1	100,000	( 100)	
DEMOLITION	SF	2,900	17	( 50)	
SUBTOTAL				5,633	
CONTINGENCY (5%)				282	
TOTAL CONTRACT COST				5,915	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				355	
TOTAL REQUEST				6,270	
TOTAL REQUEST (ROUNDED)				6,300	
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, site improvements, and all necessary support.					
Air Conditioning: 80 Tons.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)					
<u>REQUIREMENT:</u> This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 26 additional KC-135s in the 3rd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, life support, technical order library, scheduling, standardization/evaluation, and locker rooms. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards.					
These efficiencies are essential to maintain mission tasking rates in AMC.					
<u>CURRENT SITUATION:</u> There are no adequate facilities to support KC-135 consolidated Sq Ops/AMU operations at Grand Forks AFB. Existing Sq Ops/AMU operations are conducted in five facilities which are substandard, inadequately sized, and not properly configured to accommodate					

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE  KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER  JFSD963500	
<p>consolidated operations. They are widely scattered creating fragmented lines of communications/authority. Aircrues and aircraft maintainers spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. One facility totalling 2,900 square feet will be demolished as a result of this project. The remaining four existing facilities will be reused as interim facilities for other requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separated substandard buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. The physical separation will continue to hamper the lines of authority and communications throughout the squadron.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER JFSD963500	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 29	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	45%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 MAR 03	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TRAVIS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	369	
(b) All Other Design Costs	205	
(c) Total	574	
(d) Contract	26	
(e) In-house	548	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE DORMITORY			
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER JFSD998002	8. PROJECT COST (\$000) 8,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DORMITORY (180 PN)				6,208	
DORMITORY	SF	64,000	95	(6,080)	
AUTOMATIC SPRINKLER PROTECTION	SF	64,000	2	( 128)	
SUPPORTING FACILITIES				1,400	
UTILITIES	LS			( 650)	
PAVEMENTS	LS			( 450)	
SITE IMPROVEMENTS	LS			( 300)	
SUBTOTAL				7,608	
CONTINGENCY (5%)				380	
TOTAL CONTRACT COST				7,988	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				479	
TOTAL REQUEST				8,467	
TOTAL REQUEST (ROUNDED)				8,500	
10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, structural frame, masonry walls, sloped metal roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas, and necessary support.					
Air Conditioning: 120 Tons. Grade Mix: 180 E1-E4.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Construct a dormitory. (Current Mission)					
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 180 personnel: 180 E1-E4, with a maximum utilization of 180 personnel.					
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to meet the billeting requirements for unaccompanied enlisted personnel at this installation. There are over 320 enlisted personnel living off base due to lack of on-base quarters. This project will significantly reduce the base dormitory deficiency.					
<u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity, and career satisfaction for the enlisted force will continue to be degraded. Unaccompanied enlisted personnel will also have to continue living off-base resulting in a payment of \$873,000 of BAQ/VHA/BAS allowances annually.					
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new					

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER JFSD998002	

uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD-approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	JFSD998002
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 16	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	45%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 SEP 28	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	GRAND FO	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	352	
(b) All Other Design Costs	270	
(c) Total	622	
(d) Contract		
(e) In-house	622	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.10		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	653	3942	525				1	16	37	5,174
b. End FY 2000	651	3968	536				1	16	37	5,209
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,385)									300,713	
b. Inventory Total As Of: (30 SEP 94)									11,250	
c. Authorization Not Yet In Inventory:									1,550	
d. Authorization Requested In This Program:									0	
e. Authorization Included In Following Program: (FY 1997)									28,650	
f. Planned In Next Four Program Years:									74,150	
g. Remaining Deficiency:									416,313	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	START	CMPL					
411-134	UNDERGROUND FUEL STORAGE TANKS	15 EA	1,550	AUG 94	OCT 95					
		TOTAL:	1,550							
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
113-321	UPGRADE PARKING APRON	LS	4,500							
121-122	UPGRADE HYDRANT FUELING SYSTEM	LS	15,700							
130-837	SECURITY POLICE ENTRY CONTROL FACILITIES	500 SF	350							
821-113	UPGRADE CENTRAL HEAT PLANT	LS	3,100							
831-155	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	LS	5,000							
10. Mission or Major Functions: A bomb wing with two B-52H squadrons and an Air Force Space Command missile group with three Minuteman III intercontinental ballistic missile squadrons and HH-1H aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:					3,000					
b. Water pollution:					19,190					
c. Occupational safety and health:					0					
d. Other Environmental:					0					

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 411-134	7. PROJECT NUMBER QJVF962002	8. PROJECT COST (\$000) 1,550	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	26		682
REPLACE UNDERGROUND TANKS	EA	10	40,000	( 400)
UPGRADE EXISTING UNDERGROUND TANKS	EA	5	34,400	( 172)
REMOVE UNDERGROUND TANKS	EA	11	10,000	( 110)
SUPPORTING FACILITIES				640
SITE IMPROVEMENTS/REMEDIATION	LS			( 640)
SUBTOTAL				1,322
CONTINGENCY (10%)				132
TOTAL CONTRACT COST				1,454
SUPERVISION, INSPECTION AND OVERHEAD (6%)				87
TOTAL REQUEST				1,541
TOTAL REQUEST (ROUNDED)				1,550
10. Description of Proposed Construction: Remove 11 underground storage tanks (USTs). Dispose of tank, sludge, and test soil at each site. Remediate contaminated soil. Install 10 new double-walled underground tanks & upgrade 5 existing tanks with double-wall piping, interstitial leak detectors, cathodic protection and spill/overfill protection.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Remove, replace and upgrade underground fuel storage tanks (USTs). (Current Mission)				
<u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. Upgrade all USTs regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection, corrosion protection, and spill/overfill prevention systems. Adequate fuel storage, properly designed and located, is required to comply with wing mission requirements. All petroleum dispensing and operating facilities must be provided with a positive means for preventing release of pollutants into the surrounding environment.				
<u>CURRENT SITUATION:</u> USTs at Minot AFB facilities do not meet federal law (40 CFR 280) and state requirements for leak detection, cathodic protection, and spill/overfill protection. These deficiencies must be corrected by December 1998 to prevent violation of federal UST regulations.				
<u>IMPACT IF NOT PROVIDED:</u> Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will fail to be in compliance with federal and state environmental requirements, thereby subjecting the base to enforcement actions and monetary penalties. If this project is not accomplished by the				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE  UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER  QJVF962002	
<p>established deadline, December 1998, the base will be in violation of the law and subject to receiving Notices of Violation, fines and significant adverse publicity.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>MINOT AIR FORCE BASE, NORTH DAKOTA</b>		
4. PROJECT TITLE <b>UNDERGROUND FUEL STORAGE TANKS</b>	5. PROJECT NUMBER <b>QJVF962002</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 15	
(e) Date Design Complete	95 OCT 10	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	93	
(b) All Other Design Costs	93	
(c) Total	93	
(d) Contract	93	
(e) In-house	93	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.89			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	3688	3043	13804	342			92	110	16	22,095
b. End FY 2000	3078	2952	11051	342			92	110	16	18,641
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 8,245)										
b. Inventory Total As Of: (30 SEP 94)	854,606									
c. Authorization Not Yet In Inventory:	76,670									
d. Authorization Requested In This Program:	4,100									
e. Authorization Included In Following Program: (FY 1997)	19,400									
f. Planned In Next Four Program Years:	16,650									
g. Remaining Deficiency:	150,500									
h. Grand Total:	1,121,926									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
813-231	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	LS	4,100	JUN 94	AUG 95					
TOTAL: 4,100										
9a. Future Projects: Included in the Following Program (FY 1997)										
171-851	ADD TO AND ALTER ENGINEERING AND RESEARCH LABORATORY	36,000 SF	7,500							
311-173	RENOVATE ACQUISITION MANAGEMENT FACILITY, PHASE IV	94,500 SF	9,900							
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	2,000							
TOTAL: 19,400										
9b. Future Projects: Typical Planned Next Four Years:										
171-851	AFIT OPERATIONS COMPLEX	82,500 SF	9,400							
411-135	FUEL CONTAINMENT DIKES	LS	600	TURN KEY						
610-127	BASE ENGINEER ADMINISTRATION	26,000 SF	2,500							
821-116	UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM	LS	4,150							
10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft; Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	4,200									
b. Water pollution:	2,000									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE UPGRADE ELECTRICAL DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT 7.28.06	6. CATEGORY CODE 813-231	7. PROJECT NUMBER ZHTV973204	8. PROJECT COST (\$000) 4,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM				3,350
UPGRADE SUBSTATIONS	LS			(2,300)
UPGRADE DISTRIBUTION SYSTEM	LS			(1,050)
SUPPORTING FACILITIES				150
PAVEMENTS	LS			( 45)
SITE IMPROVEMENTS	LS			( 105)
SUBTOTAL				3,500
CONTINGENCY (10%)				350
TOTAL CONTRACT COST				3,850
SUPERVISION, INSPECTION AND OVERHEAD (6%)				231
TOTAL REQUEST				4,081
TOTAL REQUEST (ROUNDED)				4,100

10. Description of Proposed Construction: Replace 6.9KV transformers at two substations with 12KV transformers and stepdown transformers at various facilities. Includes replacement of switches, relays, ancillary items and partial replacement of distribution lines.

11. REQUIREMENT: As required.

PROJECT: Upgrade an electrical distribution system. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electric service to various mission essential facilities, most of which support research and development activities. The existing system must be upgraded to meet current electrical codes, improve system reliability and efficiency, and to replace obsolete equipment which is no longer in production.

CURRENT SITUATION: Most of the base electrical distribution has been converted to 12KV system consisting of efficient and reliable components. However, some of the facilities are still served by a forty-year-old system which operates at 6.9KV, which is inefficient and unreliable. Replacement transformers are not commercially available and must be custom manufactured at a premium price. A recent transformer failure resulted in a laboratory being without power for three days before a connection to a 12KV line could be completed. Another leaking but operational transformer was used for a year before a replacement could be obtained and installed.

IMPACT IF NOT PROVIDED: Transformer failures will lead to longer power outages for facilities such as system program offices and laboratories. This will result long delays in laboratories activities and increased operation and maintenance cost.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>WRIGHT-PATTERSON AIR FORCE BASE, OHIO</b>		
4. PROJECT TITLE	5. PROJECT NUMBER	
<b>UPGRADE ELECTRICAL DISTRIBUTION SYSTEM</b>		<b>ZHTV973204</b>
<p>Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	5. PROJECT NUMBER ZHTV973204	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 20	
(e) Date Design Complete	95 AUG 25	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	240	
(b) All Other Design Costs	130	
(c) Total	370	
(d) Contract	310	
(e) In-house	60	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA				4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.92		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	284	2611	488	322	239		1	6	72	4,023
b. End FY 2000	401	1767	1633	322	239		1	6	72	4,441
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,698)										
b. Inventory Total As Of: (30 SEP 94)	186,237									
c. Authorization Not Yet In Inventory:	77,760									
d. Authorization Requested In This Program:	1,200									
e. Authorization Included In Following Program: (FY 1997)	4,000									
f. Planned In Next Four Program Years:	6,500									
g. Remaining Deficiency:	13,560									
h. Grand Total:	289,257									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL		
179-511 FIRE TRAINING FACILITY					1 EA	1,200	JUN 94	JUL 95		
					TOTAL:	1,200				
9a. Future Projects: Included in the Following Program (FY 1997)										
740-884 CHILD DEVELOPMENT CENTER COMPLEX					29,000 SF	4,000				
					TOTAL:	4,000				
9b. Future Projects: Typical Planned Next Four Years:										
149-962 CONTROL TOWER					1 EA	2,550				
411-135 IMPROVE JET FUEL STORAGE					LS	3,950				
10. Mission or Major Functions: An air mobility wing with one C-5 squadron and one C-141 squadron responsible for training all C-5 and C-141 aircrews; and a KC-135 air refueling squadron responsible for training KC-135 aircrews; also designated to be the primary base for training C-17 aircrews.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER AGGN953002	8. PROJECT COST (\$000) 1,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			850
SUPPORTING FACILITIES				210
UTILITIES	LS			( 80)
PAVEMENTS	LS			( 60)
SITE IMPROVEMENTS	LS			( 70)
<b>SUBTOTAL</b>				<b>1,060</b>
CONTINGENCY (5%)				53
<b>TOTAL CONTRACT COST</b>				<b>1,113</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				67
<b>TOTAL REQUEST</b>				<b>1,180</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>1,200</b>

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a fire training facility. (Current Mission)

REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.

CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since April 1990; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using a mock-up structure with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ALTUS AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER AGGN953002	

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER AGGN953002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 23	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 JUL 19	
(e) Date Design Complete	95 JUL 17	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	16	
(c) Total	66	
(d) Contract		
(e) In-house	66	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	1430	5995	11678				231	961	770	22,065
b. End FY 2000	1277	5952	10440				231	961	770	20,631
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,966)									700,311	
b. Inventory Total As Of: (30 SEP 94)									62,472	
c. Authorization Not Yet In Inventory:									5,100	
d. Authorization Requested In This Program:									16,580	
e. Authorization Included In Following Program: (FY 1997)									50,100	
f. Planned In Next Four Program Years:									124,100	
g. Remaining Deficiency:									958,663	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPY</u>					
721-312	ADD TO AND ALTER DORMITORIES	140 PN	5,100	DEC 92	SEP 93					
		TOTAL:	5,100							
9a. Future Projects: Included in the Following Program (FY 1997)										
214-425	CONSOLIDATED VEHICLE MAINTENANCE FACILITY (DBOF)	168,000 SF	8,300							
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	2,880	TURN KEY						
880-232	B-2 ADD TO HANGAR FIRE PROTECTION SYSTEM	LS	5,400							
		TOTAL:	16,580							
9b. Future Projects: Typical Planned Next Four Years:										
123-335	VEHICLE FUELING STATION	8 OL	850							
211-157	EQUIPMENT STAGING FACILITY	9,000 SF	650							
211-254	FUEL CONTROL ASSEMBLY OVERHAUL FACILITY	86,500 SF	13,200							
610-287	ENGINEERING AND INSTALLATION FACILITY	66,000 SF	8,800							
880-000	FIRE & OTHER ALARM SYSTEMS	230,000 SF	1,000							
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of E-3, B-1, B-2, B-52, and KC-135 aircraft, and aircraft engines; an air base wing; an Air Combat Command air control wing with three E-3 airborne air control squadrons and an EC-135 airborne command and control squadron; an AFRES air refueling wing with one KC-135 squadron; an ACC communications group; and an engineering installation wing. A major tenant is the US Navy TACAMO wing (E-6 aircraft).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									3,500	
b. Water pollution:									2,900	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE ADD TO AND ALTER DORMITORIES		
5. PROGRAM ELEMENT 7.28.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER WWYK880038	8. PROJECT COST (\$000) 5,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER DORMITORIES (140 PN)	SF	57,000		3,638
ADDITION	SF	6,500	76	( 494)
ALTERATION	SF	50,500	60	(3,030)
AUTOMATIC SPRINKLER SYSTEM	SF	57,000	2	( 114)
SUPPORTING FACILITIES				760
UTILITIES	LS			( 240)
PAVEMENTS	LS			( 120)
SITE IMPROVEMENTS	LS			( 50)
ASBESTOS REMOVAL	LS			( 350)
<b>SUBTOTAL</b>				<b>4,398</b>
CONTINGENCY (10%)				440
<b>TOTAL CONTRACT COST</b>				<b>4,838</b>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				290
<b>TOTAL REQUEST</b>				<b>5,128</b>
<b>TOTAL REQUEST (ROUNDED)</b>				<b>5,100</b>

10. Description of Proposed Construction: Alter interior partitioning to provide room-bath-room modules, exterior entrances and balconies; extend roofline and upgrade exterior; install cable TV system; upgrade laundry rooms, HVAC and utility systems, remove asbestos and provide necessary support.

Air Conditioning: 150 Tons. Grade Mix: 140 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Add to and alter two dormitories. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs which these people must perform. Estimated intended utilization is 140 personnel: 140 E1-E4, with a maximum utilization of 140 personnel.

CURRENT SITUATION: The buildings were constructed in 1960 when functional criteria and standards of construction for bachelor quarters were considerably lower. Common latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and lack of privacy are major deficiencies of these facilities.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of enlisted personnel assigned to this base.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER DORMITORIES	5. PROJECT NUMBER WWYK880038	
<p>revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER DORMITORIES	5. PROJECT NUMBER WWYK880038	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	92 DEC 21	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	93 MAR 05	
(e) Date Design Complete	93 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TINKER	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	125	
(b) All Other Design Costs		
(c) Total	125	
(d) Contract		
(e) In-house	125	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA				4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 0.85		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	550	3563	1096				4	26	40	5,279
b. End FY 2000	480	3016	1023				4	26	40	4,589
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,215)										
b. Inventory Total As Of: (30 SEP 94)	160,413									
c. Authorization Not Yet In Inventory:	36,600									
d. Authorization Requested In This Program:	12,500									
e. Authorization Included In Following Program: (FY 1997)	35,100									
f. Planned In Next Four Program Years:	19,800									
g. Remaining Deficiency:	89,400									
h. Grand Total:	353,813									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	COST (\$000)	DESIGN STATUS						
				<u>START</u>	<u>CMPL</u>					
141-753	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	30,900 SF	5,600	JUL 93	AUG 95					
171-212	C-17 ADD TO FLIGHT SIMULATOR FACILITY	4,700 SF	1,300	AUG 94	SEP 95					
721-312	DORMITORY	136 PN	5,600	AUG 94	MAY 95					
		TOTAL:	12,500							
9a. Future Projects: Included in the Following Program (FY 1997)										
121-122	C-17 ADD TO AND ALTER APRON/ HYDRANT FUELING SYSTEM	LS	13,200							
141-753	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	30,900 SF	5,700							
211-153	C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE AND NDI SHOP	59,350 SF	4,600							
211-173	C-17 AIRCRAFT MAINTENANCE FACILITY	26,400 SF	5,800							
721-312	ALTER DORMITORY	152 PN	5,800							
		TOTAL:	35,100							
9b. Future Projects: Typical Planned Next Four Years:										
130-142	FIRE/CRASH RESCUE STATION	4,700 SF	1,100							
141-165	EXPLOSIVE ORDNANCE DISPOSAL	4,000 SF	400							
411-135	IMPROVE JET FUEL STORAGE	LS	1,500							
442-758	REPAIR BASE SUPPLIES & EQUIP WHSE	194,000 SF	12,800							
851-147	IMPROVE ROAD	LS	4,000							
10. Mission or Major Functions: An airlift wing with four C-141/C-17 squadrons; an Air Force Reserve C-141/C-17 associate airlift wing; an Air National Guard air defense detachment with F-16 aircraft; a combat camera squadron; and the USAF Mobility Center.										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. COMMAND AIR MOBILITY COMMAND					5. AREA CONST COST INDEX 0.85		
6. PERSONNEL STRENGTH a. As of b. End FY	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
7. INVENTORY DATA (\$000)										
a. Total Acreage: b. Inventory Total As Of: c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total:										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution: 1,200 b. Water pollution: 0 c. Occupational safety and health: 0 d. Other Environmental: 0										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		
5. PROGRAM ELEMENT 4.11.30	6. CATEGORY CODE 141-753	7. PROJECT NUMBER DKFX943002	8. PROJECT COST(\$000) 5,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FACILITY	SF	30,900	105	3,245
SUPPORTING FACILITIES				1,745
UTILITIES	LS			( 525)
PAVEMENTS	LS			( 475)
SITE IMPROVEMENTS	LS			( 395)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	8,900	29	( 260)
ELEVATOR	EA	1	90,000	( 90)
SUBTOTAL				4,990
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				5,554
TOTAL REQUEST (ROUNDED)				5,600

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support.

Air Conditioning: 65 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a C-17 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of the C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, standardization/evaluation, locker rooms, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: The existing squadron operations and aircraft maintenance facilities were designed to support C-141 aircraft. They are undersized and not configured to support the much larger unified squadrons supporting the new and larger C-17 aircraft. The squadron operations and

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER DKFX943002	

maintenance personnel operate out of two small separated buildings. The physical separation creates fragmented lines of communications/authority. They are overcrowded and inadequately configured. Inefficiencies include lack of space for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project, one substandard facility totalling 8,900 SF will be demolished. Interim relocatable facilities have been purchased to support the new C-17 squadron operations/AMU facility requirements until this project is completed.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated, undersized, and interim facilities and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. Full implementation of the more effective Objective Wing squadron and adequate beddown of the C-17s will be degraded.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER DKFX943002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUL 16	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	50%	
(d) Date 35% Designed.	94 FEB 15	
(e) Date Design Complete	95 AUG 19	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MCGUIRE	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	335	
(b) All Other Design Costs	360	
(c) Total	695	
(d) Contract	600	
(e) In-house	95	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 4.11.30	6. CATEGORY CODE 171-212	7. PROJECT NUMBER DKFX963032	8. PROJECT COST (\$000) 1,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY	SF	4,700	190	893
SUPPORTING FACILITIES				205
UTILITIES	LS			( 75)
SEISMIC	LS			( 60)
SITE IMPROVEMENTS	LS			( 70)
SUBTOTAL				1,098
CONTINGENCY (10%)				110
TOTAL CONTRACT COST				<u>1,208</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				72
TOTAL REQUEST				1,280
TOTAL REQUEST (ROUNDED)				1,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(20,000)

10. Description of Proposed Construction: Demolition of existing exterior wall, construction of two-story addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior masonry walls with brick veneer to match existing facility, and necessary support.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 22,879 SF ADEQUATE: 18,179 SF SUBSTANDARD: 0

PROJECT: Add to a C-17 flight simulator facility. (New Mission)

REQUIREMENT: An addition to the existing C-17 flight simulator facility is required to house the last of three C-17 flight simulators to be delivered to Charleston AFB. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential for providing hazardous emergency training procedures that cannot otherwise be provided. Required areas include a simulator bay, computer room, briefing room, and an associated hydraulic area. Facility construction is required in FY96 to support simulator equipment delivery date in Sep 1997.

CURRENT SITUATION: This project is the second phase of a two-phase program to construct a flight simulator addition for the beddown of the C-17 aircraft at this installation. The first phase which provided two bays was approved in the FY89 MILCON program to support initial delivery of the new aircraft. This addition will provide the final bay needed to support C-17 aircrew training requirements associated with the acquisition of 40 C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998.

IMPACT IF NOT PROVIDED: A complete beddown of the C-17 aircraft cannot be accomplished without providing required flight simulator facilities for

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER	DKFX963032
<p>training aircrews. A delay in required construction could also lead to liability claims against the government from the simulator contractor for not providing adequate facilities.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION			
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER	DKFX963032	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	94 AUG 29		
(b) Parametric Cost Estimates used to develop costs	Y		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	94 OCT 13		
(e) Date Design Complete	95 SEP 01		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	75		
(b) All Other Design Costs	55		
(c) Total	130		
(d) Contract	110		
(e) In-house	20		
(4) Construction Start 96 APR			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
C-17 FLIGHT SIMULATOR DEVICE	3010	FY97	20000

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER DKFX963040	8. PROJECT COST (\$000) 5,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (136 PN)				3,961
DORMITORY	SF	48,300	80	(3,864)
AUTOMATIC SPRINKLER PROTECTION	SF	48,300	2	( 97)
SUPPORTING FACILITIES				1,055
UTILITIES	LS			( 600)
PAVEMENTS	LS			( 330)
SITE IMPROVEMENTS	LS			( 125)
SUBTOTAL				5,016
CONTINGENCY (5%)				<u>251</u>
TOTAL CONTRACT COST				5,267
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>316</u>
TOTAL REQUEST				5,583
TOTAL REQUEST (ROUNDED)				5,600
10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls, and roof. Includes room-bath-room modules, laundry areas, storage, chiller plant, lounge areas, and all necessary support.				
Air Conditioning: 100 Tons. Grade Mix: 136 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 E1-E4, with a maximum utilization of 136 personnel.				
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing dorms are fully occupied. There are currently in excess of 240 E-1 through E-4 enlisted personnel living off-base due to lack of adequate on-base quarters. Requested construction will greatly reduce this existing deficit.				
<u>IMPACT IF NOT PROVIDED:</u> Unaccompanied enlisted personnel will have to continue living off-base resulting in a \$1.9 million payment of BAQ/VHA/BAS allowances annually.				
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction and status quo				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE <b>DORMITORY</b>	5. PROJECT NUMBER	<b>DKFX963040</b>
<p>(sending enlisted personnel off-base paying BAQ/VHA). Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	DKFX963040
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	30%	
(d) Date 35% Designed.	95 FEB 15	
(e) Date Design Complete	95 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	CHARLEST	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	336	
(b) All Other Design Costs	229	
(c) Total	565	
(d) Contract	450	
(e) In-house	115	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>SHAW AIR FORCE BASE, SOUTH CAROLINA</b>			4. COMMAND <b>AIR COMBAT COMMAND</b>				5. AREA CONST COST INDEX <b>0.79</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	710	4531	579				3		134	5,957
b. End FY 2000	709	4458	450				3		134	5,754
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,336)										
b. Inventory Total As Of: (30 SEP 94)									185,000	
c. Authorization Not Yet In Inventory:									8,250	
d. Authorization Requested In This Program:									1,300	
e. Authorization Included In Following Program: (FY 1997)									7,510	
f. Planned In Next Four Program Years:									3,800	
g. Remaining Deficiency:									80,660	
h. Grand Total:									286,520	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST		DESIGN STATUS					
			(\$000)		START	CMPL				
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	1,300	JUL 94	SEP 95					
		TOTAL:	1,300							
9a. Future Projects: Included in the Following Program (FY 1997)										
130-835	SECURITY POLICE OPERATIONS	23,000 SF	3,760							
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES	LS	1,000							
832-266	UPGRADE SANITARY SEWER SYSTEM	LS	2,750							
		TOTAL:	7,510							
9b. Future Projects: Typical Planned Next Four Years:										
722-351	DINING FACILITY AND TROOP ISSUE WAREHOUSE	24,000 SF	3,800							
10. Mission or Major Functions: Headquarters Ninth Air Force; a fighter wing which includes three F-16 squadrons, one A/OA-10 squadron, and an air control squadron.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									3,000	
b. Water pollution:									5,200	
c. Occupational safety and health:									0	
d. Other Environmental:									6,800	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 2.74.56C	6. CATEGORY CODE 871-183	7. PROJECT NUMBER VLSB963003	8. PROJECT COST (\$000) 1,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE STORM DRAINAGE SYSTEM	LS			1,100
ELIMINATE CROSS CONNECTIONS	LS			( 600)
ELIMINATE RUNOFF FROM INDUSTRIAL AREAS	LS			( 500)
SUPPORTING FACILITIES				10
SITE IMPROVEMENTS	LS			( 10)
SUBTOTAL				1,110
CONTINGENCY (10%)				111
TOTAL CONTRACT COST				1,221
SUPERVISION, INSPECTION AND OVERHEAD (6%)				73
TOTAL REQUEST				1,294
TOTAL REQUEST (ROUNDED)				1,300
10. Description of Proposed Construction: Provide improvement of storm water quality by elimination of cross-connections (sanitary to storm sewer connections, process/nonprocess waters entering the storm drainage system), elimination of storm water runoff from potential contaminant areas, and construction of berthing/containment at potential spill/leak areas to prevent these contaminants from entering the storm drain.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Upgrade storm drainage system. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Shaw AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges.				
<u>CURRENT SITUATION:</u> Shaw AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the NPDES permit. There are industrial buildings where floor drains are connected to the storm drainage system, and areas with oil-water separators connected to the storm drainage system. The lack of containment and berthing allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. These existing non-storm water discharges into the storm drainage system are not allowed by the NPDES permit. Control of storm water runoff is essential to prevent contamination of Long Branch Creek, Mush Branch Creek and the				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE  UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER  VLSB963003	
<p>Pocotaligo River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Shaw AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER VLSB963003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 SEP 01	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	78	
(b) All Other Design Costs	52	
(c) Total	130	
(d) Contract	78	
(e) In-house	52	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>ARNOLD AIR FORCE BASE, TENNESSEE</b>			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX <b>0.90</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	66	50	194					2	61	373
b. End FY 2000	65	46	181					2	61	355
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 39,081)									1,274,583	
b. Inventory Total As Of: (30 SEP 94)									2,400	
c. Authorization Not Yet In Inventory:									5,000	
d. Authorization Requested In This Program:									3,800	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									97,200	
g. Remaining Deficiency:									1,382,983	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPLE</u>					
318-614	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	LS	2,300	MAR 94	JUN 95					
880-221	UPGRADE FIRE PROTECTION SYSTEMS	LS	2,700	JUN 93	AUG 95					
			TOTAL:	5,000						
9a. Future Projects: Included in the Following Program (FY 1997)										
318-614	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT C	LS	3,800							
			TOTAL:	3,800						
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Arnold Engineering Development Center which conducts research, development, testing, and evaluation in support of aerospace system acquisition. The complex of wind tunnels, jet and rocket engine test cells, space simulation chambers, and hyperballistic ranges is the largest in the US.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									2,000	
b. Water pollution:									7,000	
c. Occupational safety and health:									0	
d. Other Environmental:									3,500	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE		4. PROJECT TITLE UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B		
5. PROGRAM ELEMENT 7.80.56	6. CATEGORY CODE 318-614	7. PROJECT NUMBER ANZY900286	8. PROJECT COST (\$000) 2,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE ENGINE TEST FACILITIES				
REFRIGERATION SYSTEM, PLANT B	LS			1,700
SUPPORTING FACILITIES				270
UTILITIES	LS			( 170)
SITE IMPROVEMENTS	LS			( 50)
ASBESTOS REMOVAL	LS			( 50)
SUBTOTAL				1,970
CONTINGENCY (10%)				197
TOTAL CONTRACT COST				2,167
SUPERVISION, INSPECTION AND OVERHEAD (6%)				130
TOTAL REQUEST				2,297
TOTAL REQUEST (ROUNDED)				2,300

10. Description of Proposed Construction: Convert the engine test facilities, plant B, refrigeration systems from R-12 to R-134a refrigerant; retrofit systems to retain desired operational capability; provide refrigerant storage, valves, transfer piping, asbestos removal and necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade engine test facilities refrigeration system, plant B.  
(Current Mission)

REQUIREMENT: This is a level II environmental compliance requirement. This project is required to prevent continued release of unacceptable levels of R-12 refrigerant, an ozone depleting chemical (ODC) into the atmosphere. It also eliminates the risk of mission shut-down of nationally critical aircraft and missile turbine engine test facilities due to non-availability or excessive replenishment costs of R-12 refrigerent. These facilities provide a unique test capability critical for aircraft development and production (F-22, B-2, C-17.) and for retrofit of current aircraft such as the F-15 and F-16. Ground testing at extremely cold and hot temperatures (-24 to 650 degrees F) is required to simulate high altitude flight conditions critical to engine design and production decisions.

CURRENT SITUATION: The existing system has been maintained over time, but major component repair, upgrade, reconfiguration, and refrigerant conversion is now required to preclude continued release of ODC.

Refrigeration plants which provide refrigerated air to 17 engine test cells at the Arnold Air Force Base leaked 90,000 pounds (24% of plant capacity) of ozone depleting refrigerant (R-12) into the atmosphere last year. An emergency \$1 million repair project using base operations and

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	5. PROJECT NUMBER ANZY900286	
<p>maintenance funds was executed to stop this loss. Production of R-12 is ending by international agreement and executive order in December 1995. Without R-12, the current refrigeration system cannot operate, preventing cold flight conditions in the engine test facilities. Conversion to R-134a, a non-ozone depleting refrigerant, will allow continued plant operation. Since mission test requirements preclude closure of all test facilities simultaneously, emergency funding of the first refrigeration plant, which services 13 engine test cells, was funded as an emergency construction project in the FY94. The remaining two plants must be funded before the R-12 refrigerant supply/stockpile is exhausted. This project will convert the refrigerant system in plant B. Plant C will be converted in the FY97 program. Phasing is required to avoid degradation of mission capability if simultaneous shut-down of all engine test cells were to occur. With the projected closure of the Naval Air Warfare Center, Aircraft Division at Trenton, New Jersey, all DoD ground testing of aircraft and missile propulsion systems over the full range of flight conditions must be conducted at Arnold AFB.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The United States will lose all national capability to ground test propulsion systems at simulated flight conditions. This will result in major delays and cost increases for the development and testing of F-18 and F-22 aircraft, cruise missile propulsion systems, and improvements to existing propulsion systems.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	5. PROJECT NUMBER	ANZY900286

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	94 MAR 11
(b) Parametric Cost Estimates used to develop costs	N
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 SEP 15
(e) Date Design Complete	95 JUN 15

(2) Basis:

(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	ARNOLD

(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications	120
(b) All Other Design Costs	60
(c) Total	180
(d) Contract	
(e) In-house	180

(4) Construction Start 96 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE		4. PROJECT TITLE UPGRADE FIRE PROTECTION SYSTEMS		
5. PROGRAM ELEMENT 7.28.06	6. CATEGORY CODE 880-221	7. PROJECT NUMBER ANZY923016	8. PROJECT COST (\$000) 2,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE FIRE PROTECTION SYSTEMS	LS			2,200
SUPPORTING FACILITIES				130
SITE IMPROVEMENTS	LS			( 40)
ASBESTOS REMOVAL	LS			( 90)
SUBTOTAL				2,330
CONTINGENCY (10%)				233
TOTAL CONTRACT COST				2,563
SUPERVISION, INSPECTION AND OVERHEAD (6%)				154
TOTAL REQUEST				2,717
TOTAL REQUEST (ROUNDED)				2,700
10. Description of Proposed Construction: Install automatic fire detection, alarm, and suppression systems in 43 buildings and extend water mains to form a looped system. Includes asbestos removal and necessary support.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Upgrade fire protection systems. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. Correction of fire deficiencies, including installation of fire detection and suppression systems, is required to provide protection for up to 2,100 occupants and government assets in 43 buildings, and to minimize damage to these mission essential facilities in the event of fire. A looped water system is needed to provide adequate water flow and maintain the reliability of the water system by permitting back feed in the event of a water line break. <u>CURRENT SITUATION:</u> Fire detection, alarm, and suppression systems are inoperable, unreliable or nonexistent at many locations. This situation requires building occupants to detect fires and summon the fire department. When a facility is unoccupied, fires could cause extensive damage to base assets before being detected. Replacement costs for these 43 buildings and their contents is approximately \$800 million. The water supply system is a single-feed, branch system. A break in the main line can disable the entire water system and result in a complete loss of water for fire protection in the affected areas. <u>IMPACT IF NOT PROVIDED:</u> The possibility of rapid spread of fire will continue, placing personnel and valuable assets at risk, and possibly cause the extended interruption of various systems testing. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE UPGRADE FIRE PROTECTION SYSTEMS	5. PROJECT NUMBER ANZY923016	
<p>Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis is not required since this project corrects documented fire, life and safety deficiencies. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ARNOLD AIR FORCE BASE, TENNESSEE		
4. PROJECT TITLE UPGRADE FIRE PROTECTION SYSTEMS	5. PROJECT NUMBER ANZY923016	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 11	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 01	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	160	
(b) All Other Design Costs	153	
(c) Total	313	
(d) Contract	210	
(e) In-house	103	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION BROOKS AIR FORCE BASE, TEXAS				4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.87		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	631	995	1580	202	98		3	19	128	3,656
b. End FY 2000	621	1011	1537	202	98		3	19	128	3,619
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( - 1,310)										
b. Inventory Total As Of: (30 SEP 94)	89,323									
c. Authorization Not Yet In Inventory:	8,900									
d. Authorization Requested In This Program:	233									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	16,900									
h. Grand Total:	115,356									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL		
131-111		ADD TO AND ALTER COMMUNICATIONS FACILITY			2,800 SF	233	AUG 88	APR 89		
					TOTAL:	233				
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air base wing.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS			4. COMMAND AIR FORCE MATERIEL COMMAND				5. AREA CONST COST INDEX 0.87			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	801	3419	12678				43	757	200	18,898
b. End FY 2000	749	3190	11515				43	757	200	17,454
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,661)									479,983	
b. Inventory Total As Of: (30 SEP 94)									55,481	
c. Authorization Not Yet In Inventory:									3,597	
d. Authorization Requested In This Program:									5,580	
e. Authorization Included In Following Program: (FY 1997)									20,360	
f. Planned In Next Four Program Years:									120,000	
g. Remaining Deficiency:									685,001	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>					
131-111	COMMUNICATIONS FACILITY	2,000 SF	353	MAY 91	JUL 91					
610-249	WING HEADQUARTERS FACILITY	22,000 SF	3,244	MAY 94	MAY 95					
		TOTAL:	3,597							
9a. Future Projects: Included in the Following Program (FY 1997)										
610-249	WING SUPPORT FACILITY	20,000 SF	3,380							
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	2,200	TURN KEY						
		TOTAL:	5,580							
9b. Future Projects: Typical Planned Next Four Years:										
211-152	C-17 COMPOSITE REPAIR FACILITY	55,000 SF	5,400							
217-742	AFCS MAINTENANCE FACILITY	102,000 SF	7,140							
730-772	ADD TO AND ALTER CHAPEL CENTER	LS	720							
832-266	REPLACE SANITARY SEWER LINES	40,000 LF	3,100	TURN KEY						
871-183	STORM DRAINAGE DISPOSAL	3,600 LF	3,000							
10. Mission or Major Functions: San Antonio Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of B-52, C-5, C-9, C-17, T-37, T-38, and T-41 aircraft and all fuels and TF39/T56/F100 engines; an air base wing; an Air National Guard fighter group with one F-16 squadron; an Air Force Reserve airlift wing with one C-5 squadron; Air Force Air Intelligence Agency; the Air Force News Agency; and the Joint Electronic Warfare Center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									7,500	
b. Water pollution:									10,300	
c. Occupational safety and health:									0	
d. Other Environmental:									3,100	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		4. PROJECT TITLE WING HEADQUARTERS FACILITY			
5. PROGRAM ELEMENT 2.80.19	6. CATEGORY CODE TIARA	7. PROJECT NUMBER 610-249	MBPB963005A	8. PROJECT COST (\$000) 3,244	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
WING HEADQUARTERS FACILITY	SF	22,000		2,194	
ADMINISTRATIVE OFFICE AREAS	SF	17,000	82	(1,394)	
OPERATING AREA (SCIF)	SF	5,000	135	( 675)	
ELEVATOR	EA	1	125,000	( 125)	
SUPPORTING FACILITIES				715	
SITE PREPARATION	LS			( 175)	
UTILITIES	LS			( 200)	
PAVEMENT	LS			( 200)	
DEMOLITION	SF	23,600	6	( 140)	
<b>SUBTOTAL</b>				<b>2,909</b>	
CONTINGENCY (5%)				<b>145</b>	
<b>TOTAL CONTRACT COST</b>				<b>3,054</b>	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<b>183</b>	
<b>TOTAL REQUEST</b>				<b>3,237</b>	
<b>TOTAL REQUEST (ROUNDED)</b>				<b>3,244</b>	

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes an elevator, utilities, parking, and all necessary support. Demolish two sub-standard facilities (23,588 SF).

Air Conditioning: 40 Tons.

11. REQUIREMENT: 65,300 SF ADEQUATE: 25,300 SF SUBSTANDARD: 64,318 SF  
PROJECT: Construct a Wing Headquarters facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. An adequate and functional facility is required to support reorganization and consolidation activities of Air Intelligence Agency (AIA). As part of the re-organization, geographically separated functions in the Pacific and European Theaters were downsized, functions eliminated and redistributed, and have been redesignated Intelligence Groups. Wing functional responsibilities have been centralized and consolidated with existing intelligence activities at Kelly Air Force Base. Composite functions include the wing operations, engineering, logistics maintenance, plans and programs, wing information systems, contracting, and security. A sensitive compartmented information facility (SCIF) is required to support processing and transmission of classified information. In addition, an elevator is required to comply with the Americans with Disabilities Act of 1990.

CURRENT SITUATION: Wing facility requirements are continuing to grow as field offices arrive at the installation. All personnel are scheduled to be on-station by the end of FY96. The Wing is currently housed in interim substandard facilities that are inadequate to support intelligence operations. Once this project is completed other agencies will be relocated to the Wing's present facility. Upon completion of this move

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE  WING HEADQUARTERS FACILITY	5. PROJECT NUMBER  MBPB963005A	
<p>two old wood frame facilities, occupied by these functions, will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Wing and associated mission functions will continue to remain in inadequate facilities that prevent efficient operations and compromise security. Headquarters functions will remain dispersed in facilities that are not configured and conducive to Wing organizational requirements. SCIF space will not be available to support classified network systems for preparing, reviewing, and processing classified messages and to transmit classified information to AIA units.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this facility in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of status quo plus addition, new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE WING HEADQUARTERS FACILITY	5. PROJECT NUMBER MBPB963005A	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 16	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 SEP 01	
(e) Date Design Complete	95 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	194	
(b) All Other Design Costs	259	
(c) Total	453	
(d) Contract	317	
(e) In-house	136	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 1.15			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	392	721	874	140			8	522	2,657	
b. End FY 2000	350	519	745	162			8	522	2,306	
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,228)										
b. Inventory Total As Of: (30 SEP 94)									116,789	
c. Authorization Not Yet In Inventory:									17,390	
d. Authorization Requested In This Program:									1,400	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									5,749	
g. Remaining Deficiency:									6,400	
h. Grand Total:									147,728	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>START</u>	<u>CMPL</u>				
179-511 FIRE TRAINING FACILITY				LS	1,400		JUN 94	JUL 95		
					TOTAL:	1,400				
9a. Future Projects: Included in the Following Program (FY 1997)	NONE									
9b. Future Projects: Typical Planned Next Four Years:										
113-321 ALTER APRONS				LS	249					
113-321 UPGRADE AIRFIELD PAVEMENT				SY	3,000					
610-249 RESOURCE MANAGEMENT FACILITY				SF	2,500					
10. Mission or Major Functions: A flying training wing that conducts Undergraduate Pilot Training with T-1, T-37, and T-38 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER MXDP963001	8. PROJECT COST (\$000) 1,400	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE TRAINING FACILITY	LS			950	
SUPPORTING FACILITIES				285	
UTILITIES	LS			( 110)	
PAVEMENTS	LS			( 95)	
SITE IMPROVEMENTS	LS			( 80)	
SUBTOTAL				1,235	
CONTINGENCY (5%)				62	
TOTAL CONTRACT COST				1,297	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				78	
TOTAL REQUEST				1,375	
TOTAL REQUEST (ROUNDED)				1,400	

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA  
PROJECT: Construct a fire training facility. (Current Mission)  
REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.

CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LAUGHLIN AIR FORCE BASE, TEXAS		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER MXDP963001	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER MXDP963001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 23	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 JUL 19	
(e) Date Design Complete	95 JUL 17	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	16	
(c) Total	76	
(d) Contract		
(e) In-house	76	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS				4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.87		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	1538	3018	4127	82			31	27	219	9,042
b. End FY 2000	1577	2873	3922	82			31	27	219	8,731
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,011)									186,247	
b. Inventory Total As Of: (30 SEP 94)									5,300	
c. Authorization Not Yet In Inventory:									3,100	
d. Authorization Requested In This Program:									2,470	
e. Authorization Included In Following Program: (FY 1997)									21,100	
f. Planned In Next Four Program Years:									15,700	
g. Remaining Deficiency:									233,917	
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS		START	CMPL	
				(\$000)						
136-664	UPGRADE AIRFIELD LIGHTING	39,600 LF	1,900	JUN 93	OCT 95					
179-511	FIRE TRAINING FACILITY	LS	1,200	JUN 94	JUL 95					
TOTAL:				3,100						
9a. Future Projects: Included in the Following Program (FY 1997)										
113-321 JPATS ADD TO AND ALTER BEDDOWN				LS 2,470						
FACILITIES				TOTAL: 2,470						
9b. Future Projects: Typical Planned Next Four Years:										
149-962 CONTROL TOWER (WEST)				1 EA 2,700						
219-944 BASE CIVIL ENGINEERING COMPLEX				50,000 SF 5,800						
442-758 CONSOLIDATED LOGISTICS COMPLEX				162,500 SF 10,500						
880-217 FIRE PROTECTION SYSTEM				24,970 SF 2,100						
10. Mission or Major Functions: Headquarters Air Education and Training Command; Headquarters Nineteenth Air Force; a flying training wing with T-1, T-37, and T-38 instructor pilot training and Undergraduate Navigator Training (UNT) using T-37 and T-43 aircraft; HQ Air Force Recruiting Service; AF Management Engineering Agency; AF Military Personnel Center; AF Civilian Personnel Management Center; and Headquarters Air Force Services Agency.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		4. PROJECT TITLE UPGRADE AIRFIELD LIGHTING		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 136-664	7. PROJECT NUMBER TYMX933007	8. PROJECT COST (\$000) 1,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE AIRFIELD LIGHTING	LF	39,600		1,067
RUNWAY LIGHTING	LF	20,800	26	( 541)
TAXIWAY LIGHTING	LF	18,800	28	( 526)
SUPPORTING FACILITIES				545
DISTANCE MARKERS/WIND CONES	LS			( 100)
THRESHOLD LIGHTING	LS			( 350)
VISUAL GLIDESLOPE INDICATOR	LS			( 95)
SUBTOTAL				1,612
CONTINGENCY (10%)				<u>161</u>
TOTAL CONTRACT COST				1,773
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>106</u>
TOTAL REQUEST				1,879
TOTAL REQUEST (ROUNDED)				1,900
10. Description of Proposed Construction: Upgrade the west airfield lighting system. Work includes upgrade of the runway and overrun lights, cables, threshold lights, distance markers, taxiway lights, visual glideslope indicators, ductbanks and manholes, wind cones, and necessary support.				
<p>11. REQUIREMENT: 79,200 LF ADEQUATE: 39,600 LF SUBSTANDARD: 39,600 LF</p> <p><u>PROJECT:</u> Upgrade airfield lighting. (Current Mission)</p> <p><u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Master Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced pilots.</p> <p><u>CURRENT SITUATION:</u> Instructor pilot students fly 124 sorties per day to comply with the flying syllabus. The majority of the airfield lighting system has been in place since 1951. Piecemeal repair projects have not eliminated major problems. The Major Command lighting study revealed the following major operational problem areas: (1) lighting intensities do not meet FAA or Air Force standards, (2) excessive current losses in cables resulting from advanced stages of insulation deterioration and (3) existing visual approach slope indicator lights do not meet current flight safety requirements. The base has experienced three outages of the west airfield lighting system within the past year.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Random outages will continue to occur. Airfield</p>				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE  UPGRADE AIRFIELD LIGHTING	5. PROJECT NUMBER  TYMX933007	
<p>will be non-operational if outage occurs during inclement weather or night flying. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy when random outages occur.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE  UPGRADE AIRFIELD LIGHTING	5. PROJECT NUMBER  TYMX933007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 MAR 17	
(e) Date Design Complete	95 OCT 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	111	
(b) All Other Design Costs	25	
(c) Total	136	
(d) Contract	111	
(e) In-house	25	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER TVMX973003	8. PROJECT COST (\$000) 1,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			900
SUPPORTING FACILITIES				170
UTILITIES	LS			( 70)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
SUBTOTAL				1,070
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,124
SUPERVISION, INSPECTION AND OVERHEAD (6%)				67
TOTAL REQUEST				1,191
TOTAL REQUEST (ROUNDED)				1,200

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA  
PROJECT: Construct a fire training facility. (Current Mission)  
REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.

CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support this requirement. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE  FIRE TRAINING FACILITY	5. PROJECT NUMBER  TYMX973003	

Account.

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>RANDOLPH AIR FORCE BASE, TEXAS</b>		
4. PROJECT TITLE <b>FIRE TRAINING FACILITY</b>	5. PROJECT NUMBER <b>TYMX973003</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 23	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 JUL 19	
(e) Date Design Complete	95 JUL 17	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	16	
(c) Total	66	
(d) Contract		
(e) In-house	66	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE
3. INSTALLATION AND LOCATION REESE AIR FORCE BASE, TEXAS			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.95		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	362	620	366	121					65 1,534
b. End FY 2000	349	411	219	140					65 1,184
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 3,953)									
b. Inventory Total As Of: (30 SEP 94)									112,821
c. Authorization Not Yet In Inventory:									900
d. Authorization Requested In This Program:									1,200
e. Authorization Included In Following Program: (FY 1997)									0
f. Planned In Next Four Program Years:									23,323
g. Remaining Deficiency:									7,300
h. Grand Total:									145,544
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY				SCOPE	COST (\$000)	DESIGN STATUS			
	<u>CODE</u>	<u>PROJECT TITLE</u>				<u>START</u>	<u>CMPLE</u>		
179-511 FIRE TRAINING FACILITY			LS	1,200	JUN 94	JUL 95			
TOTAL:				1,200					
9a. Future Projects: Included in the Following Program (FY 1997) NONE									
9b. Future Projects: Typical Planned Next Four Years:									
113-321 UPGRADE AIRFIELD PAVEMENTS			LS	7,100					
113-321 UPGRADE AIRFIELD RAMP			10,000 SY	5,300					
136-664 UPGRADE AIRFIELD LIGHTING			77,300 LF	2,550					
211-159 ACFT CORROSION CONTROL			8,100 SF	1,300					
FACILITY									
610-128 BASE ADMINISTRATION FACILITY			12,500 SF	1,200					
10. Mission or Major Functions: A flying training wing that conducts Undergraduate Pilot Training with T-1, T-37, and T-38 aircraft.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:									0
b. Water pollution:									0
c. Occupational safety and health:									0
d. Other Environmental:									0

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION REESE AIR FORCE BASE, TEXAS		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 8.57.56	6. CATEGORY CODE 179-511	7. PROJECT NUMBER UBNY973000	8. PROJECT COST (\$000) 1,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			900
SUPPORTING FACILITIES				170
UTILITIES	LS			( 70)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
SUBTOTAL				1,070
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,124
SUPERVISION, INSPECTION AND OVERHEAD (6%)				67
TOTAL REQUEST				1,191
TOTAL REQUEST (ROUNDED)				1,200

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA  
PROJECT: Construct a fire training facility. (Current Mission)  
REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.

CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since December 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION REESE AIR FORCE BASE, TEXAS		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER UBNY973000	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>REESE AIR FORCE BASE, TEXAS</b>		
4. PROJECT TITLE <b>FIRE TRAINING FACILITY</b>	5. PROJECT NUMBER <b>UBNY973000</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 23	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	60%	
(d) Date 35% Designed.	94 JUL 19	
(e) Date Design Complete	95 JUL 17	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MOODY	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	16	
(c) Total	66	
(d) Contract	66	
(e) In-house		
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>SHEPPARD AIR FORCE BASE, TEXAS</b>			4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX <b>0.90</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	684	2828	1493	223	2758		166	37	86	8,275
b. End FY 2000	712	3009	1425	219	3199		166	37	86	8,853
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,158)									301,469	
b. Inventory Total As Of: (30 SEP 94)									40,220	
c. Authorization Not Yet In Inventory:									1,500	
d. Authorization Requested In This Program:									9,700	
e. Authorization Included In Following Program: (FY 1997)									9,300	
f. Planned In Next Four Program Years:									27,600	
g. Remaining Deficiency:									389,789	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
136-664	UPGRADE AIRFIELD LIGHTING	28,900 LF	1,500	JUL 91	OCT 95					
		TOTAL:	1,500							
9a. Future Projects: Included in the Following Program (FY 1997)										
442-758	CONSOLIDATED LOGISTICS COMPLEX	136,800 SF	9,700							
		TOTAL:	9,700							
9b. Future Projects: Typical Planned Next Four Years:										
171-623	COVERED AIRCRAFT SUPPORT EQUIPMENT TRAINING FACILITY	8,500 SF	1,000							
610-243	ADD TO AND ALTER GROUP HEADQUARTERS FACILITY	16,100 SF	8,300							
10. Mission or Major Functions: A training wing responsible for aircraft maintenance, civil engineering, comptroller, and health science courses; a flying training wing with three T-37/T-38/AT-38 flying training squadrons that train US and NATO pilots under the Euro-NATO Joint Jet Pilot Training Program (ENJJPT).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS		4. PROJECT TITLE UPGRADE AIRFIELD LIGHTING		
5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 136-664	7. PROJECT NUMBER VNVP933017	8. PROJECT COST (\$000) 1,500	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE AIRFIELD LIGHTING	LF	28,900	17	491	
SUPPORTING FACILITIES				795	
DISTANCE MARKERS/WIND CONES	LS			( 125)	
THRESHOLD LIGHTING	LS			( 215)	
APPROACH LIGHTING SUPPORTS/FLASHERS	LS			( 335)	
VISUAL GLIDESLOPE INDICATOR	LS			( 120)	
SUBTOTAL				1,286	
CONTINGENCY (10%)				129	
TOTAL CONTRACT COST				1,415	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				85	
TOTAL REQUEST				1,500	
TOTAL REQUEST (ROUNDED)				1,500	

10. Description of Proposed Construction: Upgrade airfield lighting system. Work includes modernizing airfield lighting vault, replacing light fixtures, handhole covers, distance markers, wind cones, approach supports and flashers, visual glideslope indicator, and necessary support.

11. REQUIREMENT: 28,900 LF ADEQUATE: 0 SUBSTANDARD: 28,900 LF

PROJECT: Upgrade airfield lighting. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced student pilots.

CURRENT SITUATION: Instructor pilot students fly 300 sorties per day to comply with the strict flying syllabus. A majority of the airfield lighting system has been in place since 1952. Piecemeal repair projects have not eliminated major problems. The lighting study revealed the following major operational problem areas: (1) the 2400 volt exposed conductor system in the lighting vault presents a serious safety hazard, (2) unavailability of parts for antiquated voltage regulators, and (3) lighting intensities do not meet FAA or Air Force standards. The current lease agreement with the City of Wichita Falls, joint users of the airfield, runs through the year 2009 and states the Air Force will maintain the airfield lighting system.

IMPACT IF NOT PROVIDED: Airfield will be non-operational during inclement

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE UPGRADE AIRFIELD LIGHTING	5. PROJECT NUMBER VNVP933017	
<p>weather/night flying for an extended period if an outage occurs due to a failed regulator. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy. Will violate lease agreement with City of Wichita Falls.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE UPGRADE AIRFIELD LIGHTING	5. PROJECT NUMBER VNVP933017	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 JUL 22	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	92 APR 10	
(e) Date Design Complete	95 OCT 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	90	
(b) All Other Design Costs	33	
(c) Total	123	
(d) Contract	90	
(e) In-house	33	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	2207	6466	1894				13	7	355	10,942
b. End FY 2000	1802	5830	1593				13	7	355	9,600
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,869)										
b. Inventory Total As Of: (30 SEP 94)	266,456									
c. Authorization Not Yet In Inventory:	31,920									
d. Authorization Requested In This Program:	1,263									
e. Authorization Included In Following Program: (FY 1997)	8,440									
f. Planned In Next Four Program Years:	14,600									
g. Remaining Deficiency:	47,013									
h. Grand Total:	369,692									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN		STATUS		
				(\$000)		START	CMPL			
610-284	ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY		LS	263	JAN 91	JUL 91				
871-183	UPGRADE STORM DRAINAGE SYSTEM		LS	1,000	MAY 94	SEP 95				
		TOTAL:		1,263						
9a. Future Projects: Included in the Following Program (FY 1997)										
610-284	ADD TO AND ALTER HQ AIR COMBAT COMMAND FACILITIES		50,000 SF	4,600						
831-155	INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES		LS	1,000						
832-266	UPGRADE SANITARY SEWER SYSTEM		LS	2,840						
		TOTAL:		8,440						
9b. Future Projects: Typical Planned Next Four Years:										
211-159	ACFT CORROSION CONTROL FCLTY		30,000 SF	5,500						
214-425	ADD TO VEHICLE MAINTENANCE FACILITY		5,200 SF	1,100						
721-312	DORMITORY		288 PN	5,500						
740-674	PHYSICAL FITNESS CENTER		24,000 SF	2,500						
10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three F-15 fighter squadrons and C-21/UH-1 aircraft; two intelligence squadrons; and the USAF Doctrine Center.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	1,500									
b. Water pollution:	20,560									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON			4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 1.11			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED		TOTAL	
a. As of 30 SEP 94	731	4008	765		35		3	27	126	5,695
b. End FY 2000	757	4060	706		35		3	27	126	5,714
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,060)										
b. Inventory Total As Of: (30 SEP 94)	335,691									
c. Authorization Not Yet In Inventory:	24,375									
d. Authorization Requested In This Program:	7,500									
e. Authorization Included In Following Program: (FY 1997)	18,300									
f. Planned In Next Four Program Years:	25,800									
g. Remaining Deficiency:	41,950									
h. Grand Total:	453,616									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>		<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN STATUS					
721-312 ALTER DORMITORIES			216 PN	7,500	AUG 94	SEP 95				
			TOTAL:	7,500						
9a. Future Projects: Included in the Following Program (FY 1997)										
121-122 KC-135 HYDRANT FUELING SYSTEM			LS	10,900						
141-753 KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		40,900 SF		6,300						
411-135 UNDERGROUND FUEL STORAGE TANKS		LS	1,100							
		TOTAL:	18,300							
9b. Future Projects: Typical Planned Next Four Years:										
131-111 COMMUNICATIONS FACILITY		18,000 SF		3,450						
136-664 UPGRADE RUNWAY LIGHTING SYSTEM		LS	4,000							
171-214 WATER SURVIVAL TRAINING FACILITY		19,700 SF		5,000						
442-758 BASE SUPPLIES & EQUIP WHSE		25,000 SF		3,200						
610-249 WING HEADQUARTERS		28,300 SF		5,400						
10. Mission or Major Functions: An air refueling wing with five KC-135 air refueling squadrons; an Air National Guard air refueling wing with a KC-135 squadron; and the Air Education and Training Command training group that conducts survival training UH-1 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	2,500									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		4. PROJECT TITLE ALTER DORMITORIES		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER GJKZ980002	8. PROJECT COST (\$000) 7,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORIES (216 PN)				5,700
ALTERATION	SF	95,000	58	(5,510)
AUTOMATIC SPRINKLER PROTECTION	SF	95,000	2	(190)
SUPPORTING FACILITIES				735
UTILITIES	LS			(230)
PAVEMENTS	LS			(190)
SITE IMPROVEMENTS	LS			(140)
ASBESTOS ABATEMENT	LS			(175)
SUBTOTAL				6,435
CONTINGENCY (10%)				644
TOTAL CONTRACT COST				7,079
SUPERVISION, INSPECTION AND OVERHEAD (6%)				425
TOTAL REQUEST				7,504
TOTAL REQUEST (ROUNDED)				7,500
10. Description of Proposed Construction: Alter three, two-story dormitories. Includes upgrading mechanical and electrical systems, interior finishes, bathroom fixtures, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, fire protection, asbestos abatement, site improvements, and necessary support.				
Air Conditioning: 65 Tons. Grade Mix: 216 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Alter dormitories. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 216 personnel: 216 E1-E4, with a maximum utilization of 216 personnel.				
<u>CURRENT SITUATION:</u> The facilities to be upgraded were constructed in 1953 and have had no major repairs in over 10 years. These dormitories are substandard when compared to the current living standards. Inadequate lighting and electrical power, substandard mechanical and plumbing systems, and deteriorated interior and exterior finishes are all major inefficiencies of the buildings.				
<u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.				
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>FAIRCHILD AIR FORCE BASE, WASHINGTON</b>		
4. PROJECT TITLE <b>ALTER DORMITORIES</b>	5. PROJECT NUMBER <b>GJKZ980002</b>	
<p>uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. The fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 94. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE  ALTER DORMITORIES	5. PROJECT NUMBER	GJKZ980002
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 26	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 14	
(e) Date Design Complete	95 SEP 08	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	450	
(b) All Other Design Costs	300	
(c) Total	750	
(d) Contract	550	
(e) In-house	200	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON			4. COMMAND AIR MOBILITY COMMAND				5. AREA CONST COST INDEX 1.08			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	522	3955	1250				25	28	103	5,883
b. End FY 2000	503	3685	1177				25	28	103	5,521
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,745)										
b. Inventory Total As Of: (30 SEP 94)									201,531	
c. Authorization Not Yet In Inventory:									11,790	
d. Authorization Requested In This Program:									9,900	
e. Authorization Included In Following Program: (FY 1997)									5,400	
f. Planned In Next Four Program Years:									10,600	
g. Remaining Deficiency:									67,400	
h. Grand Total:									306,621	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>					
141-753	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	31,600 SF	5,600	AUG 94	JUN 95					
721-312	DORMITORY	92 PN	4,300	AUG 94	MAY 95					
		TOTAL:	9,900							
9a. Future Projects: Included in the Following Program (FY 1997)										
721-312	ALTER DORMITORY	222 PN	5,400							
		TOTAL:	5,400							
9b. Future Projects: Typical Planned Next Four Years:										
219-000	BASE ENGINEERING COMPLEX	125,175 SF	8,600							
411-135	IMPROVE JET FUEL STORAGE	LS	2,000							
10. Mission or Major Functions: An Air Combat Command airlift wing with three C-141 squadrons; an Air Force Reserve C-141 associate airlift wing; Northwest Air Defense Sector, which will consolidate into the Western Air Defense Sector 95/2 and be assigned to the Air National Guard; and an Air National Guard air defense detachment (F-15 aircraft).										
11. Outstanding pollution and safety (OSH) deficiencies:										
a.	Air pollution:									0
b.	Water pollution:									3,000
c.	Occupational safety and health:									9,700
d.	Other Environmental:									0

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		4. PROJECT TITLE SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 141-753	7. PROJECT NUMBER PQWY963004	8. PROJECT COST (\$000) 5,600	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	SF	31,600	130	4,108	
SUPPORTING FACILITIES				935	
UTILITIES	LS			( 310)	
PAVEMENTS	LS			( 290)	
SITE IMPROVEMENTS	LS			( 225)	
ELEVATOR	EA	1	110,000	( 110)	
SUBTOTAL				5,043	
CONTINGENCY (5%)				252	
TOTAL CONTRACT COST				5,295	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				318	
TOTAL REQUEST				5,613	
TOTAL REQUEST (ROUNDED)				5,600	

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 65 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, tool rooms, standardization/evaluation, locker rooms, flying/ground safety, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at McChord AFB.

Currently there are three operations and two maintenance facilities in use. These facilities provide less than half of the required space and

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY		PQWY963004
<p>are scattered throughout McChord AFB. The operations personnel of the flying squadron currently operate in an overcrowded, improperly configured facility far from the squadron maintenance personnel on the flightline. The supporting AMU occupies an overcrowded, improperly configured, and temporary modular facility approved for use only until completion of this project. The squadron life support functions are shoehorned in with two other squadron life support elements in a single overcrowded facility at a third location on base. This physical separation creates fragmented lines of communications and authority.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	5. PROJECT NUMBER PQWY963004	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 94 AUG 14
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 94 OCT 14
  - (e) Date Design Complete 95 JUN 29
- (2) Basis:
  - (a) Standard or Definitive Design - YES
  - (b) Where Design Was Most Recently Used - TRAVIS
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 300
  - (b) All Other Design Costs 200
  - (c) Total 500
  - (d) Contract 400
  - (e) In-house 100
- (4) Construction Start 95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER PQWY953007	8. PROJECT COST (\$000) 4,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (92 PN)				3,335
DORMITORY	SF	32,700	100	(3,270)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	( 65)
SUPPORTING FACILITIES				515
UTILITIES	LS			( 150)
PAVEMENTS	LS			( 75)
SITE IMPROVEMENTS	LS			( 45)
DEMOLITION	SF	24,800	5	( 125)
ASBESTOS REMOVAL/DISPOSAL	SF	15,000	8	( 120)
SUBTOTAL				3,850
CONTINGENCY (5%)				193
TOTAL CONTRACT COST				4,043
SUPERVISION, INSPECTION AND OVERHEAD (6%)				243
TOTAL REQUEST				4,286
TOTAL REQUEST (ROUNDED)				4,300
10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Demolition of one dormitory and necessary support.				
Air Conditioning: 65 Tons. Grade Mix: 92 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 92 personnel: 92 E1-E4, with a maximum utilization of 92 personnel.				
<u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Currently there are in excess of 250 E-1 through E-4 enlisted personnel living off base due to lack of adequate on-base quarters. Adequate off base rentals cost an average of \$550 per month. This project will significantly reduce this existing deficit and reduce the need for \$949,043 payment of BAQ/VHA/BAS annually. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. One substandard facility totalling 24,800 square feet will be demolished upon				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE  DORMITORY	5. PROJECT NUMBER  PQWY953007	

completion of this project.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Unaccompanied enlisted personnel will have to continue living off-base resulting in an annual payment of \$626,369 of BAQ/VHA/BAS.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off base paying BAQ/VHA, and status quo. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE  DORMITORY	5. PROJECT NUMBER  PQWY953007	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 AUG 05	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 05	
(e) Date Design Complete	95 MAY 12	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	MCCHORD	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	240	
(b) All Other Design Costs	190	
(c) Total	430	
(d) Contract	350	
(e) In-house	80	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>F E WARREN AIR FORCE BASE, WYOMING</b>			4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX <b>1.02</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	578	2966	530				21	78	4,173	
b. End FY 2000	575	2904	509				21	78	4,087	
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 6,610)										
b. Inventory Total As Of: (30 SEP 94)	220,282									
c. Authorization Not Yet In Inventory:	20,550									
d. Authorization Requested In This Program:	9,000									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	3,400									
g. Remaining Deficiency:	33,659									
h. Grand Total:	286,891									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS						
				START	CMPL					
721-312	ALTER DORMITORIES	200 PN	5,500	MAY 94	NOV 95					
821-116	UPGRADE CENTRAL HEAT PLANT	LS	3,500	JUL 94	AUG 95					
TOTAL:			9,000							
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years: 740-884 CHILD DEVELOPMENT CENTER 19,500 SF 3,400										
10. Mission or Major Functions: Headquarters Twentieth Air Force; an AFSPC missile wing consisting of one Peacekeeper and three Minuteman III intercontinental ballistic missile squadrons with UH-1 aircraft.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION F E WARREN AIR FORCE BASE, WYOMING		4. PROJECT TITLE ALTER DORMITORIES		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER GHLN961005	8. PROJECT COST (\$000) 5,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER DORMITORIES (200 PN)				4,654
ALTER DORMITORIES	SF	89,500	50	(4,475)
AUTOMATIC SPRINKLER SYSTEM	SF	89,500	2	( 179)
SUPPORTING FACILITIES				100
SITE IMPROVEMENTS	LS			( 100)
SUBTOTAL				4,754
CONTINGENCY (10%)				475
TOTAL CONTRACT COST				5,229
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				5,543
TOTAL REQUEST (ROUNDED)				5,500
10. Description of Proposed Construction: Alter three, two-story dormitory facilities to provide room-bath-room configuration. Includes electrical, structural, and mechanical modifications; asbestos and lead-based paint removal; fire sprinkler system; site improvements and all other necessary support.				
Air Conditioning: 150 Tons. Grade Mix: 200 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Alter dormitories. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 200 personnel: 200 E1-E4, with a maximum utilization of 200 personnel.				
<u>CURRENT SITUATION:</u> These three historic buildings require upgrading to meet current dormitory standards. They are structurally sound, red brick, two-story (with basement) facilities constructed in 1906 as open bay cavalry barracks. The facilities are listed on the National Register of Historic Places. They were previously converted from open-bay to individual bedrooms with central latrines in 1959, but do not meet current DOD dormitory standards or local building code requirements. Existing central latrine facilities offer residents little or no privacy. Antiquated plumbing, heating and electrical systems have exceeded their life expectancy and require replacement. No fire sprinkler system exists in individual rooms as required by life safety code.				

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>F E WARREN AIR FORCE BASE, WYOMING</b>		
4. PROJECT TITLE  <b>ALTER DORMITORIES</b>	5. PROJECT NUMBER  <b>GHLN961005</b>	
<p><b>IMPACT IF NOT PROVIDED:</b> Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue if these systems are not upgraded.</p> <p><b>ADDITIONAL:</b> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>F E WARREN AIR FORCE BASE, WYOMING</b>		
4. PROJECT TITLE <b>ALTER DORMITORIES</b>	5. PROJECT NUMBER <b>GHLN961005</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 NOV 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	F E WARR	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	330	
(b) All Other Design Costs	220	
(c) Total	550	
(d) Contract	550	
(e) In-house		
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION F E WARREN AIR FORCE BASE, WYOMING		4. PROJECT TITLE UPGRADE CENTRAL HEAT PLANT		
5. PROGRAM ELEMENT 3.59.96	6. CATEGORY CODE 821-116	7. PROJECT NUMBER GHLN961002	8. PROJECT COST (\$000) 3,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE CENTRAL HEAT PLANT	LS			2,920
REPLACE HTHW GENERATORS	EA	3	450,000	(1,350)
REPLACE CONVECTIVE SECTION	EA	3	185,000	( 555)
REPLACE CIRCULATING PUMPS	EA	3	88,330	( 265)
DEMOLISH BAGHOUSE/COAL SYSTEM	EA	1	400,000	( 400)
REPLACE OPERATING CONTROLS	LS			( 350)
SUPPORTING FACILITIES				65
REPAIR WALLS, CATWALKS, LADDERS, FLOOR	LS			( 45)
INTERIOR RENOVATIONS	LS			( 20)
<b>SUBTOTAL</b>				<b>2,985</b>
CONTINGENCY (10%)				299
TOTAL CONTRACT COST				<u>3,284</u>
SUPERVISION, INSPECTION AND OVERHEAD (6%)				197
TOTAL REQUEST				<u>3,481</u>
TOTAL REQUEST (ROUNDED)				<b>3,500</b>

10. Description of Proposed Construction: Remove two coal stokers and generators and replace with gas fired units; replace one gas-fired generator, operating controls and circulating pumps. Replace catwalks, platforms, ladders, and opacity and water flow meters. Includes some interior maintenance. Repair retaining wall outside heat plant. Demolish coal feed and ash handling system, reverse air system, and baghouse.

11. REQUIREMENT: As required.

PROJECT: Upgrade central heat plant. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Provide space heating and domestic hot water for 112 base buildings (80% of total base building square footage). Dual-fuel capability (natural gas/propane) is required to provide backup in the event of interruption of primary fuel source. Each generator is required to output 55 million BTUs. Temperatures can dip to minus 36 degrees with wind chill to minus 70 degrees, requiring two generators to operate at 70% capacity with the third as backup. Conversion to natural gas is needed to eliminate sulfur oxide emissions, pollution of a nearby tributary from coal fines, and the possibility of violations of the Clean Air Act associated with disposal of fly ash. Permanent catwalks, work platforms, and ladders are required to provide safe access to equipment needing periodic maintenance and repair. Provide operating controls, valves, pumps, generators, convective tube sections, flow meters, and other items of installed equipment are essential to operation of the heating plant.

CURRENT SITUATION: The central heating plant is the only source of heat for the base buildings served. The three plant generators produce high temperature water at high pressure, and the water is then distributed through insulated mains to base buildings. One generator has been

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
F E WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE UPGRADE CENTRAL HEAT PLANT	5. PROJECT NUMBER GHLN961002	
<p>converted to natural gas, but the other two are still coal fired and have vibrating stokers. Continuous vibration from the stokers has caused serious cutting and scoring of the convective section tubes. An inspection revealed scoring has penetrated two-thirds of the way through the majority of tubes in each section. Radiant walls are buckling from off-center firing, and circulating pumps are operating at peak capacity but are still inadequate. This is the first installation where these generators and stokers were used together and they are not compatible; the stoker and most parts for it are no longer made. The two coal-fired generators are used only in emergencies to preclude further damage to the tubes. Normal life expectancy of generators should be 25-30 years; however, due to incompatibility of components these units require replacement after only 13 years. In addition, the control systems and access for maintenance are deficient. Instrument air compressor and operating controls are unreliable and unserviceable. Temporary catwalks and wooden platforms are a safety hazard, and there is no access to certain essential equipment. Permanent catwalks, platforms and ladders must be installed to permit safe maintenance and repair of high equipment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Generators are particularly vulnerable to failure at any time. When two generators fail there will be insufficient capacity to heat base buildings to usable temperatures, and base personnel will be sent home. If all three generators fail there will be no heat for base buildings, pipes will freeze, facilities will be seriously damaged, and repairs to the heat plant and 112 facilities could run into the hundreds of millions of dollars. The primary mission would be severely impacted for weeks while critical repairs were being made. Mission support could be impacted for several months awaiting permanent repairs. Operations and maintenance costs will remain higher if this project is not provided.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the alternative which is most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
F E WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE UPGRADE CENTRAL HEAT PLANT	5. PROJECT NUMBER GHLN961002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 06	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 DEC 31	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	187	
(b) All Other Design Costs	188	
(c) Total	375	
(d) Contract	251	
(e) In-house	124	
(4) Construction Start 96 APR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES)			4. COMMAND				5. AREA CONST COST INDEX 0.00		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 94									
b. End FY 2000									
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 0 )									
b. Inventory Total As Of: (30 SEP 94)	0								
c. Authorization Not Yet In Inventory:	0								
d. Authorization Requested In This Program:	17,800								
e. Authorization Included In Following Program: (FY 1997)	19,526								
f. Planned In Next Four Program Years:	0								
g. Remaining Deficiency:	0								
h. Grand Total:	0								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>					
			(\$000)	<u>START</u>	<u>CMPL</u>				
100-000	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	700						
214-425	VEHICLE MAINTENANCE FACILITY	13,000 SF	1,600	APR 94	JUN 95				
442-758	WAR READINESS MATERIAL WAREHOUSES	300,000 SF	15,500	APR 94	JUN 95				
TOTAL: 17,800									
9a. Future Projects: Included in the Following Program (FY 1997)									
100-000	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	LS	4,226						
422-264	MUNITIONS STORAGE IGLOOS	54,500 SF	7,000						
442-758	WAR READINESS MATERIAL WAREHOUSE	15,000 SF	2,300						
442-758	WAR READINESS MATERIAL WAREHOUSES	100,000 SF	6,000						
TOTAL: 19,526									
9b. Future Projects: Typical Planned Next Four Years:									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:	0								
b. Water pollution:	0								
c. Occupational safety and health:	0								
d. Other Environmental:	0								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CLASSIFIED LOCATION		4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 2.80.31	6. CATEGORY CODE 214-425	7. PROJECT NUMBER HACC953023	8. PROJECT COST (\$000) 1,600	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
VEHICLE MAINTENANCE FACILITY	SF	13,000	95	1,235	
SUPPORTING FACILITIES				190	
UTILITIES	LS			( 90)	
PAVEMENTS	LS			( 50)	
SITE IMPROVEMENTS	LS			( 50)	
SUBTOTAL				1,425	
CONTINGENCY (5%)				71	
TOTAL CONTRACT COST				1,496	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				97	
TOTAL REQUEST				1,593	
TOTAL REQUEST (ROUNDED)				1,600	

10. Description of Proposed Construction: Constructs a pre-engineered metal and masonry building on a concrete foundation with environmental control systems, restrooms, administrative and shop spaces, required utilities, and supporting facilities, including pavements and site improvements.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 13,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a vehicle maintenance facility. (New Mission)

REQUIREMENT: A war readiness materiel (WRM) vehicle maintenance shop and management facility are required to support OPPLAN 1002-95 for prepositioning and long-term storage of WRM vehicle assets. These assets must be ready for use by US Central Command (CENTCOM) forces. This facility will support the management and reconstitution of 1,600 vehicles.

CURRENT SITUATION: Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind which are causing accelerated deterioration of the vehicles' tires, gaskets, hoses, seats, and paint finish. These vehicles are deteriorating at an estimated rate of 15% per year and must either be reconstituted and stored in country or returned to the CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness requirements or provide operational flexibility for OPPLAN 1002-95 execution.

IMPACT IF NOT PROVIDED: The 1,600-vehicle fleet, valued at \$42 million, will continue to deteriorate at a cost of \$6 million per year and no

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY	5. PROJECT NUMBER	HACC953023
<p>facility will be available to maintain combat capability and requirements of OPLAN 1002-95.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project does not qualify for Host Nation construction funding.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  CLASSIFIED LOCATION		
4. PROJECT TITLE  VEHICLE MAINTENANCE FACILITY	5. PROJECT NUMBER  HACC953023	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 20	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 JUN 25	
(e) Date Design Complete	95 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	96	
(b) All Other Design Costs	56	
(c) Total	152	
(d) Contract		
(e) In-house	152	
(4) Construction Start		
95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CLASSIFIED LOCATION		4. PROJECT TITLE WAR READINESS MATERIAL WAREHOUSES		
5. PROGRAM ELEMENT 2.80.31	6. CATEGORY CODE 442-758	7. PROJECT NUMBER HACC953022	8. PROJECT COST (\$000) 15,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WAR READINESS MATERIAL WAREHOUSES	SF	300,000	40	12,000
SUPPORTING FACILITIES				1,825
UTILITIES	LS			( 940)
PAVEMENTS	LS			( 730)
SITE IMPROVEMENTS	LS			( 155)
SUBTOTAL				13,825
CONTINGENCY (5%)				691
TOTAL CONTRACT COST				14,516
SUPERVISION, INSPECTION AND OVERHEAD (6%)				871
TOTAL REQUEST				15,387
TOTAL REQUEST (ROUNDED)				15,500
10. Description of Proposed Construction: Construct three pre-engineered metal and masonry buildings of approximately 100,000 SF each. Buildings will be constructed at two separate locations. Buildings will include ventilation, lighting, site improvements, utilities and necessary support.				
11. REQUIREMENT: 300,000 SF ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct war readiness material (WRM) storage warehouses. (New Mission) <u>REQUIREMENT:</u> Storage facilities are required to support OPLAN 1002-95 for prepositioning and long term storage of WRM vehicle assets. These assets are a 1,600 vehicle fleet valued at \$42 million and must be ready for use by US Central Command (USCENTCOM) for contingency operations. <u>CURRENT SITUATION:</u> Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during operations Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind. These weather conditions are causing accelerated deterioration of vehicle tires, gaskets, hoses, seats, paint finishes, etc. These vehicles are deteriorating at 15 percent per year and must be reconstituted and stored in country or returned to CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred and sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness or provide operational flexibility of OPLAN 1002-95 execution. <u>IMPACT IF NOT PROVIDED:</u> The 1,600 vehicle fleet, which is valued at \$42 million will continue to deteriorate at a cost of \$6 million per year and no facilities will be available to maintain the combat capability and requirements of OPLAN 1002-95.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  CLASSIFIED LOCATION		
4. PROJECT TITLE  WAR READINESS MATERIAL WAREHOUSES	5. PROJECT NUMBER  HACC953022	
<p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". This project does not qualify for Host Nation construction funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction) was done. It indicates that new construction is the only option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CLASSIFIED LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	
WAR READINESS MATERIAL WAREHOUSES	HACC953022	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	94 APR 20
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 JUN 25
(e) Date Design Complete	95 JUN 01
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	800
(b) All Other Design Costs	208
(c) Total	1008
(d) Contract	
(e) In-house	1008
(4) Construction Start	95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.63		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 94	325	3947	682			14	62	177	5,207
b. End FY 2000	327	3886	694			14	62	177	5,160
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 1,365)									
b. Inventory Total As Of: (30 SEP 94)	125,975								
c. Authorization Not Yet In Inventory:	9,473								
d. Authorization Requested In This Program:	8,380								
e. Authorization Included In Following Program: (FY 1997)	3,400								
f. Planned In Next Four Program Years:	12,850								
g. Remaining Deficiency:	8,510								
h. Grand Total:	168,588								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN		STATUS	
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>START</u>	<u>CMPL</u>		
211-183	SOUND SUPPRESSOR SUPPORT FAC			6,200 SF	600	FEB 94	NOV 94		
211-183	SOUND SUPPRESSOR SUPPORT FAC			13,100 SF	950	FEB 94	NOV 94		
212-213	ADD TO MISSILE MAINTENANCE SHOP			3,300 SF	930	FEB 94	JUL 94		
721-312	DORMITORY			90 PN	5,900	FEB 94	MAY 95		
				TOTAL:	8,380				
9a. Future Projects: Included in the Following Program (FY 1997)									
842-245	ADD TO AND ALTER WATER STORAGE AND DISTRIBUTION SYSTEM			28,800 LF	3,400				
				TOTAL:	3,400				
9b. Future Projects: Typical Planned Next Four Years:									
141-783	MOBILITY PROCESSING TERMINAL			21,000 SF	3,250				
211-152	AIRCRAFT SHOP			43,000 SF	4,900				
721-312	ADD TO AND ALTER DORMITORY			21,000 SF	2,350				
721-312	ADD TO AND ALTER DORMITORY			21,000 SF	2,350				
10. Mission or Major Functions: A fighter wing with two F-16 squadrons, an F-15 squadron, and an A-10 squadron.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:	0								
b. Water pollution:	0								
c. Occupational safety and health:	0								
d. Other Environmental:	0								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VYHK930111A	8. PROJECT COST (\$000) 5,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (90 PN)				4,864
DORMITORY	SF	32,000	150	(4,800)
AUTOMATIC SPRINKLER PROTECTION	SF	32,000	2	(64)
SUPPORTING FACILITIES				450
UTILITIES	LS			(90)
SITE IMPROVEMENTS	LS			(35)
PAVEMENTS	LS			(115)
DEMOLITION	SF	42,000	5	(210)
SUBTOTAL				5,314
CONTINGENCY (5%)				266
TOTAL CONTRACT COST				5,580
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				363
TOTAL REQUEST				5,943
TOTAL REQUEST (ROUNDED)				5,900
10. Description of Proposed Construction: Three-story facility with concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, lounges, laundry rooms, storage rooms, and all supporting facilities. Demolish existing dormitories. Grade Mix: 90 E1-E4.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 90 personnel: 90 E1-E4, with a maximum utilization of 90 personnel. <u>CURRENT SITUATION:</u> There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths and adequate noise attenuation to adequately house enlisted personnel. With the increase in manpower from the new wing, the shortfall will be even greater. Local rentals and utilities are so expensive enlisted personnel cannot afford to live off base. Demolish two existing substandard dormitories (42,000 sf). <u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. <u>ADDITIONAL:</u> This project is not eligible for NATO funding. A				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE  DORMITORY	5. PROJECT NUMBER  VYHK930111A	
<p>precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new barracks standard established by OSD. An economic analysis was prepared comparing the alternatives of new construction, alteration, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>SPANGDAHLEM AIR BASE, GERMANY</b>		
4. PROJECT TITLE <b>DORMITORY</b>	5. PROJECT NUMBER <b>VYHK930111A</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 FEB 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed.	94 JUN 15	
(e) Date Design Complete	95 MAY 15	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	141	
(b) All Other Design Costs	130	
(c) Total	271	
(d) Contract	141	
(e) In-house	130	
(4) Construction Start 96 FEB		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION <b>VOGELWEH ANNEX, GERMANY</b>			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX <b>1.63</b>			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	1	49	48				22	238	63	421
b. End FY 2000	1	66	52				22	238	63	442
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 682)										
b. Inventory Total As Of: (30 SEP 94)	42,974									
c. Authorization Not Yet In Inventory:	0									
d. Authorization Requested In This Program:	2,600									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	45,574									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS					
					START	CMPL				
740-884	CHILD DEVELOPMENT CENTER		9,600 SF	2,600	MAY 93	AUG 95				
			TOTAL:	2,600						
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: An annex providing military family housing and community support facilities in the Kaiserslautern Military Complex near the Ramstein Air Base area.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	0									
b. Water pollution:	0									
c. Occupational safety and health:	0									
d. Other Environmental:	0									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VOGELWEH ANNEX, GERMANY		4. PROJECT TITLE CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 740-884	7. PROJECT NUMBER TYFR953523	8. PROJECT COST (\$000) 2,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	9,600	175	1,680
SUPPORTING FACILITIES				620
UTILITIES	LS			( 355)
PAVEMENTS	SY	8,800	20	( 175)
SITE IMPROVEMENTS	LS			( 90)
SUBTOTAL				2,300
CONTINGENCY (5%)				115
TOTAL CONTRACT COST				2,415
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				157
TOTAL REQUEST				2,572
TOTAL REQUEST (ROUNDED)				2,600

10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, masonry walls, roof system, fire protection, all utilities, and necessary support. Functional areas include reception area, multi-purpose child care rooms, restrooms, storage area, isolation room, office space, laundry room, mechanical room, kitchen, and playground areas.

11. REQUIREMENT: 118,115 SF ADEQUATE: 13,455 SF SUBSTANDARD: 35,001 SF  
PROJECT: Construct a child development center (CDC). (Current Mission)  
REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and a developmental experience for dependent children aged six weeks to twelve years. This facility will provide for children up to age five--the most critical shortfall at Vogelweh. The facilities must provide a comfortable, clean, educational environment where military service members and DOD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available.  
CURRENT SITUATION: The existing Child Development Center is adequate to accommodate a maximum of 258 children, and daily attendance at the center averages 250, or 97%. At the present time, 350 children are on the waiting list. This project will result in a facility which will serve a total of 120 children. The Kaiserslautern Military Community (KMC), which includes Ramstein Air Base and the Vogelweh Annex, receives child development services at both locations. The total requirement is based on

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VOGELWEH ANNEX, GERMANY		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER TYFR953523	
<p>the needs of the entire KMC area. Since the areas are separated geographically and have respective housing areas, CDC services are provided at both locations. Critical deficiencies are being corrected by this project and a companion FY94 MILCON project at Ramstein Air Base. An October 1991 inspection found that two of the three existing child development center facilities at Vogelweh did not meet safety and security standards for child care. The two facilities were built in 1953 and 1957. Both facilities will meet all current standards and requirements after base O&amp;M renovation projects are completed. However, this will not satisfy the requirement for the Vogelweh/Ramstein community. The people on the waiting list currently rely on the local communities for their child care, which may be unlicensed and are generally more expensive. Financial hardship and scheduling difficulties are common, since local care providers' hours may not be consistent with shift or long working hours. The cost of CDC care ranges from \$44 to \$86 per week.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DOD civilians, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place children in unlicensed care in the local communities, or spouses will not be able to work.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VOGELWEH ANNEX, GERMANY		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER TYFR953523	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 13	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed,	94 OCT 15	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	RAMSTEIN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	156	
(b) All Other Design Costs	156	
(c) Total	100	
(d) Contract	56	
(e) In-house		
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE
3. INSTALLATION AND LOCATION ARAXOS RADIO RELAY STATION, GREECE			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 0.71		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 94	8	116	3					12	139
b. End FY 2000	8	115	3					12	138
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 1 )									
b. Inventory Total As Of: (30 SEP 94)	848								
c. Authorization Not Yet In Inventory:	0								
d. Authorization Requested In This Program:	1,950								
e. Authorization Included In Following Program: (FY 1997)	0								
f. Planned In Next Four Program Years:	0								
g. Remaining Deficiency:	0								
h. Grand Total:	2,798								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN	STATUS	
<u>CODE</u>							<u>START</u>	<u>CMPL</u>	
721-312 DORMITORY					40 PN	1,950	MAY 94	SEP 95	
					TOTAL:	1,950			
9a. Future Projects: Included in the Following Program (FY 1997) NONE									
9b. Future Projects: Typical Planned Next Four Years:									
10. Mission or Major Functions: A radio relay station.									
11. Outstanding pollution and safety (OSH) deficiencies:									
<ul style="list-style-type: none"> <li>a. Air pollution: 0</li> <li>b. Water pollution: 0</li> <li>c. Occupational safety and health: 0</li> <li>d. Other Environmental: 0</li> </ul>									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ARAXOS RADIO RELAY SITE, GREECE		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 721-312	7. PROJECT NUMBER AMGG963002	8. PROJECT COST (\$000) 1,950	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DORMITORY (40 PN)	SF	14,200	70	994	
SUPPORTING FACILITIES				750	
UTILITIES	LS			( 275)	
PAVEMENTS	SY	10,000	30	( 300)	
SITE IMPROVEMENTS	LS			( 175)	
SUBTOTAL				1,744	
CONTINGENCY (5%)				87	
TOTAL CONTRACT COST				1,831	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				119	
TOTAL REQUEST				1,950	
TOTAL REQUEST (ROUNDED)				1,950	

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping and fire protection.

Air Conditioning: 85 Tons. Grade Mix: 40 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 40 personnel: 40 E1-E4, with an intended utilization of 40 personnel.

CURRENT SITUATION: All personnel assigned to Araxos serve 12 month unaccompanied tours and are not authorized to ship automobiles. The existing dormitories are substandard and accommodate less than half of the base personnel. All of the existing dormitories are failing structurally, and the plumbing systems are no longer maintainable. Enlisted personnel, who do not reside on base, live several miles from the base in inadequate quarters. These personnel are totally dependent on a base bus service for transportation, and very few are able to have telephones in their apartments. This is an unacceptable situation for an installation with 24 hour operations and a short-notice recall mission requirement. Response times are unacceptably long because the bus must visit each member, first, to notify him of the recall and, second, to pick him up and take him to

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ARAXOS RADIO RELAY SITE, GREECE		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER AMGG963002	
<p>the base. An additional concern is the terrorist threat to those individuals residing off base.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Response times during contingencies will be unacceptably long, resulting in critical mission impairment. Personnel will continue to reside in unacceptable quarters resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Most personnel will continue to be isolated in unsatisfactory quarters off-base.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A preliminary analysis of reasonable options for accomplishing this project (status quo, leasing, new construction) was done. It indicates new construction is the only option that will meet the requirements. Because of this, a full economic analysis was not performed. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ARAXOS RADIO RELAY SITE, GREECE		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER	AMGG963002
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	117	
(b) All Other Design Costs	100	
(c) Total	217	
(d) Contract	217	
(e) In-house		
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.22			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	299	2804	592				33	154	2	3,884
b. End FY 2000	294	2837	581				33	154	2	3,901
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 1,138)										
b. Inventory Total As Of: (30 SEP 94)	53,103									
c. Authorization Not Yet In Inventory:	2,150									
d. Authorization Requested In This Program:	2,350									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	1,600									
g. Remaining Deficiency:	29,750									
h. Grand Total:	88,953									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN		STATUS			
					START	CMPL				
141-489	SQUADRON OPERATIONS FACILITY		6,000 SF	950	JUN 94	MAY 95				
217-742	COMMUNICATIONS MAINTENANCE FACILITY		8,800 SF	1,400	JUN 94	MAY 95				
TOTAL:				2,350						
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
842-245 UPGRADE WATER STORAGE AND DISTRIBUTION SYSTEM, AREA F LS 1,600										
10. Mission or Major Functions: Headquarters Sixteenth Air Force; a flying wing with two F-16 squadrons; supports the multiservice/multinational OPERATION DENY FLIGHT effort.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:	2,900									
b. Water pollution:	3,800									
c. Occupational safety and health:	1,500									
d. Other Environmental:	1,700									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		4. PROJECT TITLE COMMUNICATIONS MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 217-742	7. PROJECT NUMBER ASHE953805A	8. PROJECT COST (\$000) 1,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMMUNICATIONS MAINTENANCE FACILITY	SF	8,800	102	897
PREWIRED WORK STATIONS	LS			( 897)
SUPPORTING FACILITIES				350
UTILITIES	LS			( 150)
COMMUNICATIONS SUPPORT	LS			( 55)
PAVEMENTS	LS			( 50)
FIRE PROTECTION SYSTEMS	LS			( 30)
SITE IMPROVEMENTS	LS			( 45)
TEMPEST SHIELD	LS			( 20)
SUBTOTAL				1,247
CONTINGENCY (5%)				62
TOTAL CONTRACT COST				1,309
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				85
TOTAL REQUEST				1,394
TOTAL REQUEST (ROUNDED)				1,400
10. Description of Proposed Construction: Provide load bearing walls and steel framing; roof; reinforced spread footings, designed to seismic zone 2; brick exterior facing; roll-up doors; slab on grade. Special electrical power requirements, special secure maintenance room; and all utilities, latrines and administration offices.				
Air Conditioning: 50 Tons.				
11. REQUIREMENT: 8,800 SF ADEQUATE: 0 SUBSTANDARD: 0				
<u>PROJECT:</u> Construct a communications maintenance facility. (New Mission)				
<u>REQUIREMENT:</u> This facility is required to accommodate the move of the 603 Air Control Squadron (ACS) from Sembach AB, Germany, to Aviano AB. The squadron maintains 1500-2000 pieces of communications/electronic equipment per month. Shop space is required for the centralized field repair of ACS CE equipment, including a controlled and secure environment to inspect, maintain and repair C/E equipment. Space is also required for the following activities: computer maintenance, secure communications and radar maintenance, technical and material control, tool and equipment storage, maintenance management administration, restrooms, and a mechanical/electrical equipment room.				
<u>CURRENT SITUATION:</u> The 603 ACS move to Aviano Air Base from Sembach Air Base, Germany, was completed in July 1994. The ACS requires a TEMPEST secure facility for maintenance of its extensive stock of communications and radar equipment, and it requires administrative and vehicle maintenance space. Relocatable facilities and existing on-base facilities are available to support most of these functions. However, they cannot be used for the maintenance of the communications and radar equipment because they do not meet the security requirements. As a temporary solution, the unit will have to continue to use wartime mobile maintenance vehicles for				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  AVIANO AIR BASE, ITALY		
4. PROJECT TITLE  COMMUNICATIONS MAINTENANCE FACILITY	5. PROJECT NUMBER  ASHE953805A	
<p>the maintenance and tests. Also, the relocatable facility will not have any infrastructure support -- running water, bathrooms, or foundations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The ACS will have to continue to operate out of their wartime mobile maintenance units and in inadequate temporary buildings. When the ACS unit is given a mobility tasker supporting contingencies such as Operation Deny Flight, they will not be able to perform their base mission. Additionally, the wear and tear of 24 hours per day and 7 days per week operations on their wartime assets is limiting availability of these assets to support wartime taskers. All assets needed for deployments will be either unavailable or out of commission.</p> <p><u>ADDITIONAL:</u> All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that criteria change for these types of facilities. This project does not meet the criteria/scope specified in Part II of MILHNBK 1190, "Facility Planning and Design Guide."</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
AVIANO AIR BASE, ITALY		
4. PROJECT TITLE	5. PROJECT NUMBER	
COMMUNICATIONS MAINTENANCE FACILITY	ASHE953805A	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	94 JUN 17
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	30%
(d) Date 35% Designed.	95 FEB 10
(e) Date Design Complete	95 MAY 01
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	80
(b) All Other Design Costs	40
(c) Total	120
(d) Contract	120
(e) In-house	
(4) Construction Start	95 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION <b>GHEDI RADIO RELAY SITE, ITALY</b>			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX <b>1.22</b>		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	8	114	2						124
b. End FY 2000	8	114	2						124
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 1 )									
b. Inventory Total As Of: (30 SEP 94)	991								
c. Authorization Not Yet In Inventory:	0								
d. Authorization Requested In This Program:	1,450								
e. Authorization Included In Following Program: (FY 1997)	0								
f. Planned In Next Four Program Years:	0								
g. Remaining Deficiency:	0								
h. Grand Total:	2,441								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY		<u>CODE</u>		<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN STATUS		
							START	CMPL	
721-312 DORMITORY					22 PN	1,450	MAY 94	SEP 95	
					TOTAL:	1,450			
9a. Future Projects: Included in the Following Program (FY 1997) NONE									
9b. Future Projects: Typical Planned Next Four Years:									
10. Mission or Major Functions: A radio relay site.									
11. Outstanding pollution and safety (OSH) deficiencies:									
<ul style="list-style-type: none"> <li>a. Air pollution: 0</li> <li>b. Water pollution: 0</li> <li>c. Occupational safety and health: 0</li> <li>d. Other Environmental: 0</li> </ul>									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION GHEDI RADIO RELAY SITE, ITALY		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 721-312	7. PROJECT NUMBER HWQJ963003	8. PROJECT COST (\$000) 1,450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (22 PN)	SF	7,800	130	1,014
SUPPORTING FACILITIES				265
UTILITIES	LS			( 120)
PAVEMENTS	LS			( 65)
SITE IMPROVEMENTS	LS			( 80)
SUBTOTAL				1,279
CONTINGENCY (5%)				64
TOTAL CONTRACT COST				1,343
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				87
TOTAL REQUEST				1,430
TOTAL REQUEST (ROUNDED)				1,450
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping, and fire protection.				
<u>Air Conditioning:</u> 45 Tons. <u>Grade Mix:</u> 22 E1-E4.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Construct a dormitory. (Current Mission)				
<u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 22 personnel: 22 E1-E4, with a maximum utilization of 22 personnel.				
<u>CURRENT SITUATION:</u> There is currently no enlisted housing on base. All personnel currently live off base. Airmen reside in a government leased facility which is approximately a 20 minute drive from the base. This increases the response time during emergencies and creates a hardship on the unaccompanied airmen, particularly those on their first assignment.				
<u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Personnel will continue to reside off base in increasingly expensive leased quarters. The government is currently spending \$66,540 to lease the facility. However, the lease will be renegotiated this year and is expected to escalate dramatically. Response times to real world contingencies will be				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GHEDI RADIO RELAY SITE, ITALY		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER HWQJ963003	
<p>inadequate.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GHEDI RADIO RELAY SITE, ITALY		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER <b>HWQJ963003</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	87	
(b) All Other Design Costs	100	
(c) Total	187	
(d) Contract	187	
(e) In-house		
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE	
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.00		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	
a. As of 30 SEP 94	8	12	4						24
b. End FY 2000	8	10	4						22
7. INVENTORY DATA (\$000)									
a. Total Acreage: ( 8 )									
b. Inventory Total As Of: (30 SEP 94)	1,360								
c. Authorization Not Yet In Inventory:	0								
d. Authorization Requested In This Program:	7,000								
e. Authorization Included In Following Program: (FY 1997)	0								
f. Planned In Next Four Program Years:	0								
g. Remaining Deficiency:	0								
h. Grand Total:	8,360								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>					
			(\$000)	<u>START</u>	<u>CMPL</u>				
100-000	LONG PERIOD SEISMIC ARRAY	7 EA	3,000	JUL 94	AUG 95				
100-000	SHORT PERIOD SEISMIC ARRAY	7 EA	4,000	JUL 94	AUG 95				
TOTAL:			7,000						
9a. Future Projects: Included in the Following Program (FY 1997) NONE									
9b. Future Projects: Typical Planned Next Four Years:									
10. Mission or Major Functions: This base hosts/supports the U S Logistics Group (TUSLOG) Headquarters for Turkey and off-base communications sites.									
11. Outstanding pollution and safety (OSH) deficiencies:									
a. Air pollution:	0								
b. Water pollution:	0								
c. Occupational safety and health:	0								
d. Other Environmental:	0								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY		4. PROJECT TITLE LONG PERIOD SEISMIC ARRAY		
5. PROGRAM ELEMENT 3.13.24	6. CATEGORY CODE 100-000	7. PROJECT NUMBER ANKR963001	8. PROJECT COST (\$000) 3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
LONG PERIOD SEISMIC ARRAY ELEMENTS				1,068
REMOTE OPERATIONS FACILITIES	SF	700	76	( 53)
BOREHOLES	EA	7	145,000	(1,015)
SUPPORTING FACILITIES				1,625
ANTENNA TOWER - 40 FT	EA	6	50,000	( 300)
ANTENNA TOWER - 80 FT	EA	1	80,000	( 80)
ELECTRICAL SUPPORT	LS			( 500)
ACCESS ROADS	M2	4,800	30	( 145)
SITE IMPROVEMENTS	LS			( 100)
EXPATRIATE LAND	LS			( 500)
SUBTOTAL				2,693
CONTINGENCY (5%)				135
TOTAL CONTRACT COST				2,828
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				184
TOTAL REQUEST				3,012
TOTAL REQUEST (ROUNDED)				3,000

10. Description of Proposed Construction: Drill seven long period (LP) boreholes and encase to a depth of 220 feet. Construct seven 100 SF underground remote operations facilities to house seismic equipment. Provide associated antenna towers to house data transmission equipment. Includes gravel access roads, electrical service and fencing.

11. REQUIREMENT: 7 EA ADEQUATE: 0 SUBSTANDARD: 7 EA  
PROJECT: Construct Long Period Seismic Array. (Current Mission)  
REQUIREMENT: Project provides facilities for the installation of seismic instruments used to transmit continual seismic data transmission using data link. The long period array focuses on seismic events which propagate horizontally. Includes the installation of seven boreholes to house sensitive LP seismic array elements. Each of the new seven array elements will be positioned approximately 20 kilometers from the central recording building located at Belbasi, near Ankara Turkey to form a radial with seven legs. The seismic array is required in direct support of the Air Force Technical Applications Center requirement to monitor provisions of "Safeguard D of the limited Nuclear Test Ban Treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Major tasking is verification of subsurface disturbances and to determine if the disturbance was natural or man-made. The Belbasi location remains extremely critical in the performance of this assigned tasking.  
CURRENT SITUATION: The Belbasi Seismic Research Station was established in the mid-1950's. Cultural encroachment and construction within the existing array has decreased the detection capability of the array by approximately 50%. This reduced data accumulation capability means the loss of critical information. Only one seismometer is available on site since all others have been rendered useless due to encroachment. The city

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANKARA AIR STATION, TURKEY		
4. PROJECT TITLE LONG PERIOD SEISMIC ARRAY	5. PROJECT NUMBER ANKR963001	

of Ankara has grown by a factor of four since the original array system became operational and increased congestion and noise levels will only get worse. In fact, additional encroachment has been experienced due to the construction of a new Turkish Military Academy within the adjacent compound area.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to execute this project will eliminate the seismic data sharing arrangement established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it will eliminate a strategic vantage point providing surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2 "Standard Facility Requirements." This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY		
4. PROJECT TITLE LONG PERIOD SEISMIC ARRAY	5. PROJECT NUMBER ANKR963001	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 94 JUL 15
  - (b) Parametric Cost Estimates used to develop costs N
  - (c) Percent Complete as of Jan 1995 15%
  - (d) Date 35% Designed. 95 MAR 31
  - (e) Date Design Complete 95 AUG 31
- (2) Basis:
  - (a) Standard or Definitive Design - NO
  - (b) Where Design Was Most Recently Used - N/A
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 52
  - (b) All Other Design Costs 105
  - (c) Total 157
  - (d) Contract 157
  - (e) In-house
- (4) Construction Start 96 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR FORCE BASE, TURKEY		4. PROJECT TITLE SHORT PERIOD SEISMIC ARRAY		
5. PROGRAM ELEMENT 3.13.24	6. CATEGORY CODE 100-000	7. PROJECT NUMBER ANKR963002	8. PROJECT COST (\$000) 4,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SHORT PERIOD SEISMIC ARRAY				668
REMOTE OPERATIONS FACILITIES	SF	700	76	( 53)
CENTRAL COMMUNICATIONS FACILITY	SF	100	100	( 10)
BOREHOLES (110 FT)	EA	6	75,000	( 450)
BOREHOLES (220 FT)	EA	1	155,000	( 155)
SUPPORTING FACILITIES				2,905
ELECTRICAL SUPPORT	LS			(1,550)
MICROWAVE/ANTENNA TOWERS	EA	7	50,714	( 355)
ACCESS ROADS/SITE IMPROVEMENTS	LS			( 700)
EXPATRIATE LAND	LS			( 300)
SUBTOTAL				3,573
CONTINGENCY (5%)				<u>179</u>
TOTAL CONTRACT COST				3,752
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				244
TOTAL REQUEST				3,996
TOTAL REQUEST (ROUNDED)				4,000
10. Description of Proposed Construction: Drill six new short period (SP) boreholes and encase. Drill one new broadband borehole and encase. Construct seven 100 SF underground remote operations facilities to house seismic equipment and a 100 SF central communications facility. Provide associated communications towers. Includes required access roads, electrical service and fencing.				
11. REQUIREMENT: 7 EA ADEQUATE: 0 SUBSTANDARD: 7 EA				
<u>PROJECT:</u> Construct Short Period Array. (Current Mission)				
<u>REQUIREMENT:</u> Provides the facilities for the installation of seismic instruments for continual seismic data transmission using radio data link. The short period array focuses on seismic events which propagate vertically. Includes the installation of six boreholes to house sensitive seismic array elements. Each of the six array elements will be positioned 2 kilometers from the central recording building located in Keskin, Turkey to form a radial with six legs. Also, installation of one borehole to house broadband seismic elements will be provided. This seismic array is required in direct support of the Air Force Technical Applications Center (AFTAC) requirement to monitor provisions of "Safeguard D of the Limited Nuclear Test Ban treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Improved mission capability will also be achieved by providing seismic data with adequate signal-to-noise ration and installation of digital equipment with wider bandwidth and greater dynamic range.				
<u>CURRENT SITUATION:</u> Seismic data is currently being collected through an existing short period array near Ankara, Turkey; however, the size and position of this array is ineffective and severely limits the amount of useful information that can be obtained. Furthermore, the city of Ankara				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ANKARA AIR FORCE BASE, TURKEY		
4. PROJECT TITLE SHORT PERIOD SEISMIC ARRAY	5. PROJECT NUMBER ANKR963002	

has grown by a factor of four since this system became operational as background noise from cultural encroachment has reduced the collection capability by 50 percent. Construction at the nearby Turkish Military Academy, adjoining residential area and a nearby quarry are also reducing the effectiveness of the research station. To avoid this encroachment, AFTAC found it necessary to reduce the instrumentation from 16 SP seismometers to just 7 to eliminate the high noise locations. Additionally, the data transmission poles and cabling had to be relocated due to construction in the area thus further reducing the overall capability of the system.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "Show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to complete this project will eliminate the seismic data sharing arrangement currently established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it would eliminate a strategic vantage point to provide surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>ANKARA AIR FORCE BASE, TURKEY</u>		
4. PROJECT TITLE SHORT PERIOD SEISMIC ARRAY	5. PROJECT NUMBER ANKR963002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 15	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	15%	
(d) Date 35% Designed.	95 MAR 31	
(e) Date Design Complete	95 AUG 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	83	
(b) All Other Design Costs	73	
(c) Total	156	
(d) Contract	156	
(e) In-house		
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.00			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	210	1968	321				321	1290	188	4,298
b. End FY 2000	208	1906	319				321	1290	188	4,232
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,471)										
b. Inventory Total As Of: (30 SEP 94)									198,559	
c. Authorization Not Yet In Inventory:									2,400	
d. Authorization Requested In This Program:									4,500	
e. Authorization Included In Following Program: (FY 1997)									1,800	
f. Planned In Next Four Program Years:									4,450	
g. Remaining Deficiency:									7,250	
h. Grand Total:									218,959	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>						
			(\$000)	<u>START</u>	<u>CMPL</u>					
740-884	CHILD DEVELOPMENT CENTER	18,000 SF	1,600	JAN 94	AUG 95					
831-165	UPGRADE SEWAGE TREATMENT PLANT	LS	2,900	MAR 94	AUG 95					
		TOTAL:	4,500							
9a. Future Projects: Included in the Following Program (FY 1997)										
740-674	ADD TO AND ALTER PHYSICAL FITNESS CENTER	16,100 SF	1,800							
		TOTAL:	1,800							
9b. Future Projects: Typical Planned Next Four Years:										
730-833	SECURITY POLICE CENTRAL CONTROL	11,600 SF	2,950							
750-000	RECREATION COMPLEX	LS	1,500							
10. Mission or Major Functions: A wing with no permanently assigned force structure responsible for regional logistics in Turkey and command and control for deployed forces. As a combined US/Turkish common defense facility, Incirlik supports a composite wing (provisional) with various types of aircraft and multinational forces engaged in PROVIDE COMFORT AND SOUTHERN WATCH.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									2,100	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		4. PROJECT TITLE CHILD DEVELOPMENT CENTER			
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 740-884	7. PROJECT NUMBER LJYC963001	8. PROJECT COST (\$000) 1,600		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CHILD DEVELOPMENT CENTER	SF	18,000	67	1,206	
SUPPORTING FACILITIES				220	
UTILITIES	LS			( 30)	
PAVEMENTS	SY	2,000	10	( 20)	
SITE IMPROVEMENTS	LS			( 50)	
PLAYGROUND	LS			( 120)	
SUBTOTAL				1,426	
CONTINGENCY (5%)				71	
TOTAL CONTRACT COST				1,497	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				97	
TOTAL REQUEST				1,594	
TOTAL REQUEST (ROUNDED)				1,600	
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, frame, masonry walls and tile roof. Includes parking, site improvements, fire sprinkler system, utilities and necessary support. Functional areas include: reception, multi-purpose rooms, restrooms, storage, isolation rooms, offices, laundry, kitchen, mechanical room and playground.					
Air Conditioning: 60 Tons.					
<u>11. REQUIREMENT:</u> 18,000 SF <u>ADEQUATE:</u> 0 <u>SUBSTANDARD:</u> 7,140 SF <u>PROJECT:</u> Construct a child development center (CDC). (Current Mission) <u>REQUIREMENT:</u> This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. A properly sized child development center is required to provide supervised care and a development experience for dependent children aged six weeks through twelve years. The facility must provide a comfortable, clean, educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available. <u>CURRENT SITUATION:</u> The existing child development center is adequate to accommodate a maximum of 84 children, and daily attendance at the center averages 81, or 96%. At the present time, 150 children are on the waiting list. This project will provide a facility which will serve a total of 200 children. The existing facility is totally substandard and does not meet DOD criteria for child development centers. It is a prefabricated metal building, constructed as a temporary facility, which cannot					

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
CHILD DEVELOPMENT CENTER	LJYC963001	

accommodate infants. The overflow is turned away, and many parents have given up hope and left their children in the care of untrained, non-English speaking Turkish maids. Large numbers of single parents and dual-tasked military couples with children at Incirlik Air Base have great difficulty obtaining quality child care. After construction of this project, the existing child development center (7,140 SF) will be converted into a Morale, Welfare and Recreation storage warehouse. The cost of CDC care ranges from \$44 to \$86 per week. Licensed care is not available on the economy.

IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DOD civilians at Incirlik Air Base, readiness will decline. Personnel that have the additional burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use unskilled, untrained child care providers. Lack of appropriate, caring supervision and developmental interaction is highly detrimental to the development of young children.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. Current NATO policy indicates that this item will continue to be a user responsibility. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>INCIRLIK AIR BASE, TURKEY</b>		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER <b>LJYC963001</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JAN 04	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	65%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	96	
(b) All Other Design Costs	96	
(c) Total	96	
(d) Contract	96	
(e) In-house	96	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		4. PROJECT TITLE UPGRADE SEWAGE TREATMENT PLANT		
5. PROGRAM ELEMENT 2.74.56U	6. CATEGORY CODE 831-165	7. PROJECT NUMBER LJYC973003	8. PROJECT COST (\$000) 2,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE SEWAGE TREATMENT PLANT	LS			2,175
LABORATORY/WORK SHOP/CHLORINE BUILDING	SF	2,000	80	( 160)
SEDIMENTATION TANKS	EA	2	250,000	( 500)
SLUDGE PROCESSING SYSTEM	LS			(1,015)
POND LINER/OUTFALL SEWER REPAIRS	LS			( 500)
SUPPORTING FACILITIES				300
UTILITIES	LS			( 175)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
DEMOLITION	SF	1,550	16	( 25)
<b>SUBTOTAL</b>				2,475
CONTINGENCY (10%)				248
<b>TOTAL CONTRACT COST</b>				2,723
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				177
<b>TOTAL REQUEST</b>				2,900
<b>TOTAL REQUEST (ROUNDED)</b>				2,900

10. Description of Proposed Construction: Upgrade sewage treatment plant. Install bar screens, comminutor, piping, sedimentation tanks, trickling filters, laboratory/workshop, sludge processing system, chlorination system, pump stations, flow meters and standby power. Repair pond liners. Demolish existing sewage treatment facilities. Provide laboratory equipment and repair effluent pipeline.

11. REQUIREMENT: As required.

PROJECT: Upgrade sewage treatment plant. (Current Mission)

REQUIREMENT: This is a level I environmental compliance project. Provide a sewage treatment plant to meet DoD Final Governing Standards for wastewater discharge.

CURRENT SITUATION: Base sewage effluent does not meet DoD Final Governing Standards (FGS) for wastewater discharge. The existing primary treatment process at the plant consists of an out-of-service clarifier and two undersized Imhoff tanks which are frequently out of service for maintenance. This results in heavy biological oxygen demand (BOD) loadings on the facultative lagoons and reduces the efficiency of the plant. Additionally, there is no laboratory or maintenance facility on the site to insure that effluents are in compliance with DoD FGS.

IMPACT IF NOT PROVIDED: This base will not comply with the DoD Final Governing Standards for wastewater discharge. The existing plant's effluent will continue to pollute local streams. The plant will be out of compliance with the increasingly stringent host nation wastewater discharge standards. The likelihood of receiving notices of violation and fines will escalate.

ADDITIONAL: This project is not NATO eligible. It is not within an established NATO infrastructure category for common funding, nor is it

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE SEWAGE TREATMENT PLANT	LJYC973003	

expected to become eligible. Current NATO policy indicates that this item will continue to be a user responsibility. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>INCIRLIK AIR BASE, TURKEY</b>		
4. PROJECT TITLE <b>UPGRADE SEWAGE TREATMENT PLANT</b>	5. PROJECT NUMBER <b>LJYC973003</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAR 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	95 JAN 15	
(e) Date Design Complete	95 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	130	
(b) All Other Design Costs	130	
(c) Total	130	
(d) Contract	130	
(e) In-house	130	
(4) Construction Start 96 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.33			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	483	4000	632				2	8	268	5,393
b. End FY 2000	492	3923	625				2	8	268	5,318
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 2,340)									168,865	
b. Inventory Total As Of: (30 SEP 94)									3,600	
c. Authorization Not Yet In Inventory:									1,820	
d. Authorization Requested In This Program:									7,950	
e. Authorization Included In Following Program: (FY 1997)									19,250	
f. Planned In Next Four Program Years:									43,950	
g. Remaining Deficiency:									245,435	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS				
<u>CODE</u>		<u>PROJECT TITLE</u>		<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>			
212-213	ADD TO MISSILE MAINTENANCE SHOP			4,300 SF	1,820	SEP 94	JUL 95			
TOTAL: 1,820										
9a. Future Projects: Included in the Following Program (FY 1997)										
721-312	DORMITORY			156 PN	3,800					
842-245	ADD TO AND ALTER WATER DISTRIBUTION MAINS			LS	4,150					
TOTAL: 7,950										
9b. Future Projects: Typical Planned Next Four Years:										
121-111	CONSTRUCT BASE FUELS COMPLEX			8,000 SF	1,500					
141-753	ADAL SQUADRON OPERATIONS			2,200 SF	1,900					
211-152	GENERAL PURPOSE ACFT MAINT			24,000 SF	3,200					
610-128	COMBAT READINESS CENTER			25,000 SF	3,700					
721-312	ADD TO AND ALTER DORMITORIES			216 PN	6,200					
10. Mission or Major Functions: A flying wing with two F-15 squadrons and one F-15C/D squadron; and an Air Force regional hospital.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									2,500	
c. Occupational safety and health:									900	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		4. PROJECT TITLE ADD TO MISSILE MAINTENANCE SHOP		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 212-213	7. PROJECT NUMBER MSET936002	8. PROJECT COST (\$000) 1,820	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO MISSILE MAINTENANCE SHOP	SF	4,300	320	1,376
SUPPORTING FACILITIES				310
UTILITIES	LS			( 95)
SITE IMPROVEMENTS	LS			( 70)
PAVEMENTS	LS			( 80)
FIRE PROTECTION SYSTEMS	LS			( 65)
SUBTOTAL				1,686
CONTINGENCY (5%)				84
TOTAL CONTRACT COST				1,770
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				44
TOTAL REQUEST				1,814
TOTAL REQUEST (ROUNDED)				1,820
10. Description of Proposed Construction: Construct reinforced concrete floor, foundations, walls, and roof system consistent with existing facility. Includes intrusion detection, fire detection and suppression, hoist, compressed air and work area for disassembly, maintenance and assembly. Upgrade power supply, heating and ventilation. Provide secure working/storage area.				
11. REQUIREMENT: 9,425 SF ADEQUATE: 5,094 SF SUBSTANDARD: 0				
<u>PROJECT:</u> Add to missile maintenance shop. (New Mission)				
<u>REQUIREMENT:</u> A facility to support missile inspection, testing, assembly and repair, test and repair of ground support equipment, inspection and calibration. Includes areas for storage of supplies and equipment, administrative offices, and a ready/standby room. Provide a secure working/storage area for classified storage and training. Requires intrusion detection and controlled access. Due to the beddown of F-15 aircraft from Bitburg AB, the existing facility cannot meet the demands for additional missile maintenance.				
<u>CURRENT SITUATION:</u> The current missile maintenance shop was constructed in 1953 and expanded in 1976 to support additional munitions types. With the transition of F-15C/D aircraft to Lakenheath, there are now three additional types of munitions facilities housed in a two-bay facility. The current facility cannot adequately support the maintenance requirements with the additional air-to-air missiles added to Lakenheath's support requirement. As an interim measure, an old aircraft maintenance unit facility is currently being modified to handle the inspection workload but it does not have adequate ceiling height to install a hoist system to move munitions around the shop. This will force the maintenance crews to use forklifts to move equipment and munitions around the work				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE  ADD TO MISSILE MAINTENANCE SHOP	5. PROJECT NUMBER  MSET936002	

area. This is a safety hazard. Additionally, the space in this facility is inadequate to meet the requirements of a missile maintenance bay. No other facility currently exists at Lakenheath to adequately support this requirement. This will force missile maintenance to be performed in a substandard workaround facility. Approximately 300 additional missiles were added to Lakenheath's support requirements by this beddown.

IMPACT IF NOT PROVIDED: The maintenance crews will continue to use an inadequate workaround that will cause delays in maintenance and potentially hazardous working conditions. They will not be able to provide adequate maintenance to all the missiles in the Lakenheath inventory.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued to NATO for possible recoulement of U. S. funds, if the project becomes eligible in the future. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE ADD TO MISSILE MAINTENANCE SHOP	5. PROJECT NUMBER MSET936002	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	94 SEP 30
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	25%
(d) Date 35% Designed.	95 FEB 28
(e) Date Design Complete	95 JUL 21
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	30
(b) All Other Design Costs	72
(c) Total	102
(d) Contract	72
(e) In-house	30
(4) Construction Start	95 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM			4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.33			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED		TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
a. As of 30 SEP 94	269	2577	606				13	30	4	3,499
b. End FY 2000	396	3453	619				13	30	4	4,515
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 1,149)										
b. Inventory Total As Of: (30 SEP 94)									115,040	
c. Authorization Not Yet In Inventory:									4,800	
d. Authorization Requested In This Program:									2,250	
e. Authorization Included In Following Program: (FY 1997)									6,400	
f. Planned In Next Four Program Years:									0	
g. Remaining Deficiency:									34,580	
h. Grand Total:									163,070	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE		SCOPE	COST (\$000)	DESIGN	STATUS			
						START	CMPL			
740-884 ADD TO AND ALTER CHILD DEVELOPMENT CENTER				17,100 SF	2,250	JAN 94	AUG 95			
				TOTAL:	2,250					
9a. Future Projects: Included in the Following Program (FY 1997)										
721-312 DORMITORY				220 PN	6,400					
				TOTAL:	6,400					
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Headquarters Third Air Force; a flying wing with a KC-135 squadron; and the European Tanker Task Force (KC-135). In 1995, a Special Operations Group (SOG--MC/HC-130 aircraft and MH-53 helicopters) will consolidate operations at RAF Mildenhall from RAF Alconbury.										
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									1,300	
c. Occupational safety and health:									0	
d. Other Environmental:									0	

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		4. PROJECT TITLE ADD TO AND ALTER CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT 2.75.96U	6. CATEGORY CODE 740-884	7. PROJECT NUMBER QFQE933011R1	8. PROJECT COST (\$000) 2,250	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER CHILD DEVELOPMENT CENTER	SF	17,100		1,842
ADDITION	SF	10,000	170	(1,700)
ALTERATION	SF	7,100	20	(142)
SUPPORTING FACILITIES				135
UTILITIES	LS			(35)
PAVEMENTS	SY	1,750	20	(35)
FIRE PROTECTION	LS			(40)
SITE IMPROVEMENTS	LS			(10)
DEMOLITION	SF	1,250	12	(15)
SUBTOTAL				1,977
CONTINGENCY (10%)				<u>198</u>
TOTAL CONTRACT COST				2,175
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				<u>54</u>
TOTAL REQUEST				2,229
TOTAL REQUEST (ROUNDED)				2,250

10. Description of Proposed Construction: Clear site, excavate, and lay foundations; erect a brick building with pitched tile roof. Includes all necessary playgrounds, sidewalks, car parking, utilities, communications, water, electricity, and drains. Alterations to existing building to meet current standards. Provide security and fire protection. Demolish one building.

11. REQUIREMENT: 17,100 SF ADEQUATE: 0 SUBSTANDARD: 8,350 SF  
PROJECT: Add to and alter child development center (CDC). (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and developmental experience for dependent children aged six weeks to twelve years. The facility must provide space for multi-purpose rooms for children of different age groups, offices, storage, laundry, and support areas. The facility must provide a comfortable, clean educational environment where service members can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable childcare available.

CURRENT SITUATION: Existing facility is adequate to accommodate a maximum of 92 children. Daily attendance at the center averages 102, or 111%. At the present time, 121 children are on the waiting list. This project will result in a facility which will serve a total of 228 children. This shortfall does not include any additional spaces required to support the planned beddown in March 1995 of the 352 Special Operations Group. The

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE  ADD TO AND ALTER CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER  QFQE933011R1	
<p>lack of child development center space causes hardship for military and civilian families since alternatives are unreliable, inconveniently located, expensive, and do not provide the developmental opportunities available in a formal program. Child care off-base costs four times the average on-base rate and facilities do not meet standards set by the Military Child Care Act of 1989. The cost of off-base child care is between \$105 and \$150 per week and family day care is \$80 per week when licensed through the base. Demolish one 1,232 square foot facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of assigned personnel, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as efficiently as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place their children in inadequate care in the local communities, or the spouses will not be able to work.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. A preliminary economic analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. It indicates there is only one option that will meet the requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE ADD TO AND ALTER CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER QFQE933011R1	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JAN 04	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	50%	
(d) Date 35% Designed.	94 OCT 01	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	RAMSTEIN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	90	
(b) All Other Design Costs	90	
(c) Total	90	
(d) Contract	90	
(e) In-house		
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. COMMAND					5. AREA CONST COST INDEX 0.00		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( )										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Three Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY										
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u>				
010-211	UNSPECIFIED MINOR CONSTRUCTION			LS	9,030	START	CMPL			

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 9.12.11M	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ924015D	8. PROJECT COST (\$000) 9,030	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			<u>9,030</u>
SUBTOTAL				<u>9,030</u>
TOTAL CONTRACT COST				<u>9,030</u>
TOTAL REQUEST				<u>9,030</u>
TOTAL REQUEST (ROUNDED)				<u>9,030</u>
10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost between \$300,000 and \$1,500,000, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> This package provides the means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY 96. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 97 Military Construction Program funds. 10 USC 2805 provides authority to the Secretaries of the military departments to accomplish projects of this nature.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. COMMAND						5. AREA CONST COST INDEX 0.00	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( )										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Three Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1995										
CATEGORY										
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u>				
010-211	PLANNING & DESIGN			LS	30,835	<u>START</u>	<u>CMPL</u>			

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 9.12.11D	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ988054	8. PROJECT COST (\$000) 30,835	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN	LS			<u>30,835</u>
SUBTOTAL				<u>30,835</u>
TOTAL CONTRACT COST				<u>30,835</u>
TOTAL REQUEST				<u>30,835</u>
TOTAL REQUEST (ROUNDED)				<u>30,835</u>
10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> These planning and design funds are required to complete the design of facilities in the FY 97 Military Construction Program, initiate design of facilities in the FY 98 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments and for design of classified and special programs.				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS		4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<p>10. Description of Proposed Construction:            Following are individual justification paragraphs for all projects  \$1 million and under.</p> <p>VARIOUS LOCATIONS - WITHIN THE UNITED STATES            VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES</p>				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>ALASKA</u>		
ELMENDORF AFB (PAF) FXSB931012G 112-211	REPAIR AIRFIELD TAXIWAY	900
<p>Repair airfield taxiway. (Current Mission) This is a Level I Commander's Facility Assessment requirement. Adequate airfield taxiways in good condition are required for the safe operation of assigned and transient aircraft. The taxiways are required to provide aircraft access to 15 parking hardstands, two C-130 maintenance hangars, and the base fuel cell. The taxiways have deteriorated from the harsh winter climate and several years of snow removal operations. Pavement heaves are visible and spalls have developed. The old, brittle asphaltic concrete has developed a very consistent pattern of longitudinal and transverse cracks approximately every 50 feet along the taxiway lane. The damage is too extensive to repair with pavement patches. Deteriorated pavements can prove detrimental to aircraft engines and to the overall safety of aircraft operations. The taxiway pavements will continue to deteriorate. Advanced failure of the surface will eventually force closure of the taxiways, thereby impacting C-130 aircraft operations and increase the cost to repair the pavements. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>ELMENDORF AIR FORCE BASE, ALASKA</b>		
4. PROJECT TITLE <b>REPAIR AIRFIELD TAXIWAY</b>	5. PROJECT NUMBER <b>FXSB931012G</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 02	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	40%	
(d) Date 35% Designed.	94 DEC 15	
(e) Date Design Complete	95 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	50	
(b) All Other Design Costs	68	
(c) Total	118	
(d) Contract		
(e) In-house	118	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE  PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>ALASKA</u>		
ELMENDORF AFB (MTC) FXSB949999 131-132	MILSTAR COMMUNICATIONS GROUND TERMINAL	850
<p>Construct a Milstar communications ground terminal support facility. (New Mission) A properly sized facility is required to house two 60 KW generators and an uninterruptible power supply (UPS) system for the Milstar Communications Ground Terminal located in an adjacent facility. The emergency power equipment and supporting facility must be designed to meet Milstar facility specifications. The Milstar system provides the National Command Authority (NCA) with the only worldwide, secure, two-way, anti-jam and survivable system with a low probability of detection/interception voice and data communication capability via satellites. Milstar terminal equipment for this site is scheduled for delivery in August 1996. The existing facility has no space available to house the new standby generators and uninterrupted power supply. Critical connectivity between NORAD/Space Command and other high priority users would be lost during crises, denying the ability to command and control military forces through all levels of conflict. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Unlike Milstar ground communications terminals at other locations, this terminal requires no special shielding.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION			
ELMENDORF AIR FORCE BASE, ALASKA			
4. PROJECT TITLE MILSTAR COMMUNICATIONS GROUND TERMINAL	5. PROJECT NUMBER FXSB949999		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started	93 JUN 25		
(b) Parametric Cost Estimates used to develop costs	N		
(c) Percent Complete as of Jan 1995	35%		
(d) Date 35% Designed.	93 DEC 21		
(e) Date Design Complete	95 JUL 16		
(2) Basis:			
(a) Standard or Definitive Design -	NO		
(b) Where Design Was Most Recently Used -	N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications	50		
(b) All Other Design Costs	30		
(c) Total	80		
(d) Contract	60		
(e) In-house	20		
(4) Construction Start 96 FEB			
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
MILSTAR TERMINAL EQUIPMENT	3080	1995	3800
EHF ANTENNA SUPPORT	3080	1995	590
SOLID STATE UPS	3080	1995	125

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>ARIZONA</u>		
DAVIS-MONTHAN AFB (ACC) FBNV963002 211-159	ALTER AIRCRAFT CORROSION CONTROL FACILITY	1000
<p>Alter aircraft corrosion control facility. (Current Mission) This is a Level I environmental compliance project. Currently Davis-Monthan cannot comply with Title 17 of Pima County Code which requires that surface coating operations "be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray". No more than 40 lbs per day of organic compounds containing photochemically reactive solvents may be emitted to the atmosphere. Modern corrosion control facilities are required that will support the aircraft maintenance needs without polluting the environment. This project will provide the ventilation and filtration system necessary to capture the VOCs and particulate matter, and render the facility capable of functioning within the limits of local and federal environmental regulations. The existing facility lacks adequate ventilation to capture particulates from paint overspray and paint sanding residue. The result is that particulates accumulate on the walls, floor and ceiling rather than in the exhaust air filters. This also results in increased exposure of workers to paint dust and hazardous air pollutants. The ventilation system draws in more outside air than can be filtered by the existing exhaust air filtration system. This forces the release of particulates through inadequately secured doors, windows and other openings. There are no provisions to capture and/or treat exhaust air VOCs from the exhaust air stream. The current system operates in direct violation of Pima County Code requiring capture of at least 96 percent of the overspray and limiting emission of organic compounds containing photochemically reactive solvents to less than 40 pounds per day. Davis-Monthan will be out of compliance with Pima County air quality regulations, subjecting the base to possible fines and penalties and/or closure of the aircraft corrosion control facility. Additional expenses induced in either case would be prohibitive and would jeopardize the flying support mission effectiveness. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". This pollution control system will help reduce VOC emissions and contribute to the Air Force goal of reducing VOCs by 50% by 1999.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE ALTER AIRCRAFT CORROSION CONTROL FACILITY	5. PROJECT NUMBER FBNV963002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 30	
(e) Date Design Complete	95 JUL 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	110	
(c) Total	170	
(d) Contract	110	
(e) In-house	60	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE												
3. INSTALLATION AND LOCATION														
VARIOUS LOCATIONS - WITHIN THE UNITED STATES														
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER													
<table border="1"> <thead> <tr> <th><u>STATE AND LOCATION</u></th> <th><u>PROJECT TITLE</u></th> <th><u>COST (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>CALIFORNIA</b></td> </tr> <tr> <td>TRAVIS AFB (AMC) XDAT963800 442-257</td> <td>HAZARDOUS WASTE STORAGE FACILITY</td> <td>600</td> </tr> <tr> <td colspan="3"> <p>Hazardous waste storage facility. (Current Mission) This is a Level I Environmental Compliance Project. Project is required to provide a storage facility meeting Federal and State Environmental Protection Agency (EPA) regulations. Facility shall be constructed so as to contain any hazardous materials spills until proper disposition of such materials can be accomplished. Travis AFB constructed a hazardous waste storage facility through the FY91 operations and maintenance (O&amp;M) program to bring hazardous waste storage requirements into EPA compliance. The work was originally split into two companion projects (minor construction and repair) and funded accordingly with O&amp;M funds. A subsequent Air Force Audit Agency audit recommended that the repair project was incorrectly classed and that construction funds should have been used to accomplish both requirements under a single project. The audit also determined the total construction costs to be \$600,000. Since construction costs exceed the legal limit for O&amp;M construction, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&amp;M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p> </td> </tr> </tbody> </table>			<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>	<b>CALIFORNIA</b>			TRAVIS AFB (AMC) XDAT963800 442-257	HAZARDOUS WASTE STORAGE FACILITY	600	<p>Hazardous waste storage facility. (Current Mission) This is a Level I Environmental Compliance Project. Project is required to provide a storage facility meeting Federal and State Environmental Protection Agency (EPA) regulations. Facility shall be constructed so as to contain any hazardous materials spills until proper disposition of such materials can be accomplished. Travis AFB constructed a hazardous waste storage facility through the FY91 operations and maintenance (O&amp;M) program to bring hazardous waste storage requirements into EPA compliance. The work was originally split into two companion projects (minor construction and repair) and funded accordingly with O&amp;M funds. A subsequent Air Force Audit Agency audit recommended that the repair project was incorrectly classed and that construction funds should have been used to accomplish both requirements under a single project. The audit also determined the total construction costs to be \$600,000. Since construction costs exceed the legal limit for O&amp;M construction, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&amp;M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>												
<b>CALIFORNIA</b>														
TRAVIS AFB (AMC) XDAT963800 442-257	HAZARDOUS WASTE STORAGE FACILITY	600												
<p>Hazardous waste storage facility. (Current Mission) This is a Level I Environmental Compliance Project. Project is required to provide a storage facility meeting Federal and State Environmental Protection Agency (EPA) regulations. Facility shall be constructed so as to contain any hazardous materials spills until proper disposition of such materials can be accomplished. Travis AFB constructed a hazardous waste storage facility through the FY91 operations and maintenance (O&amp;M) program to bring hazardous waste storage requirements into EPA compliance. The work was originally split into two companion projects (minor construction and repair) and funded accordingly with O&amp;M funds. A subsequent Air Force Audit Agency audit recommended that the repair project was incorrectly classed and that construction funds should have been used to accomplish both requirements under a single project. The audit also determined the total construction costs to be \$600,000. Since construction costs exceed the legal limit for O&amp;M construction, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&amp;M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>														

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE  HAZARDOUS WASTE STORAGE FACILITY	5. PROJECT NUMBER  XDAT963800	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	90 DEC 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	91 MAY 30	
(e) Date Design Complete	91 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	36	
(b) All Other Design Costs	18	
(c) Total	54	
(d) Contract		
(e) In-house	54	
(4) Construction Start 91 OCT		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
CLASSIFIED LOCATION		
CLASSIFIED PAYZ964443 100-000	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	700
Special Access Required.		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>		<u>PROJECT TITLE</u>
		COST (\$000)
GEORGIA		
MOODY AFB (ACC) QSEU961000 871-183		UPGRADE STORM DRAINAGE SYSTEM 690
<p>Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Moody AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Moody AFB does not provide storm water runoff control measures from the industrial areas of the base. The lack of containment and berthing allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent pollution of Mission Lake and associated wetlands and Grand Bay wetlands. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Moody AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER QSEU961000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUL 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 01	
(e) Date Design Complete	95 OCT 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	POPE	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	41	
(b) All Other Design Costs	84	
(c) Total	125	
(d) Contract	100	
(e) In-house	25	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>IDAHO</u>		
MOUNTAIN HOME AFB (ACC) QYZH961000 871-183	UPGRADE STORM DRAINAGE SYSTEM	800
<p>Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Mountain Home AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Mountain Home AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators discharging to the storm drainage system. The lack of containment and berthing allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Snake River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Mountain Home AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<b>MOUNTAIN HOME AIR FORCE BASE, IDAHO</b>		
4. PROJECT TITLE <b>UPGRADE STORM DRAINAGE SYSTEM</b>	5. PROJECT NUMBER <b>QYZH961000</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 AUG 30	
(e) Date Design Complete	95 AUG 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	40	
(b) All Other Design Costs	100	
(c) Total	140	
(d) Contract	100	
(e) In-house	40	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE  PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>		<u>PROJECT TITLE</u>
<u>NEVADA</u>		<u>COST (\$000)</u>
NELLIS AFB (ACC) RKMFI961000 871-183		UPGRADE STORM DRAINAGE SYSTEM      600
<p>Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Installation of pollution control structures are required to divert runoff and prevent it from being contaminated. Nellis AFB does not provide adequate storm water runoff control measures from the industrial areas of the base as required by their NPDES Permit. Lack of containment and berthing allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Sloan Channel which flows into Lake Mead. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Nellis AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>NELLIS AIR FORCE BASE, NEVADA</b>		
4. PROJECT TITLE <b>UPGRADE STORM DRAINAGE SYSTEM</b>	5. PROJECT NUMBER <b>RKMF961000</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 15	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 MAY 03	
(e) Date Design Complete	95 JUL 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	36	
(b) All Other Design Costs	114	
(c) Total	150	
(d) Contract	110	
(e) In-house	40	
(4) Construction Start 95 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>NEW MEXICO</u>		
CANNON AFB (ACC) CZQZ940022 871-183	UPGRADE STORM DRAINAGE SYSTEM	620
<p>Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirements for controlling storm water runoff under 40 CFR 122.26. The Storm Water National Pollution Discharge Elimination System (NPDES) permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Cannon AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Installing pollution control structures will divert runoff and prevent it from being contaminated. Cannon AFB does not provide storm water runoff control measures from the industrial areas of the base. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. There are oil/water separators discharging underground. The lack of berms allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. Control of storm water runoff is essential to prevent contamination of the North and South Playa Lakes on Cannon AFB. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Cannon AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER CZQZ940022	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	94 MAR 01
(b) Parametric Cost Estimates used to develop costs	Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 JUN 16
(e) Date Design Complete	95 JUN 30

(2) Basis:

(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e):

(a) Production of Plans and Specifications	(\$000) 10
(b) All Other Design Costs	77
(c) Total	87
(d) Contract	20
(e) In-house	67

(4) Construction Start

95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	

<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>NORTH CAROLINA</u>		
SEYMOUR-JOHNSON AFB (ACC) VKAG931013 871-183	UPGRADE STORM DRAINAGE SYSTEM	830

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Seymour Johnson AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Seymour Johnson AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators that are hydraulically overloaded, deteriorated, and/or not functional. The lack of containment and berthing allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-stormwater discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Neuse River and Stoney Creek. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Seymour Johnson AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE UPGRADE STORM DRAINAGE SYSTEM	5. PROJECT NUMBER	VKAG931013

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 94 JUN 02
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 35%
  - (d) Date 35% Designed. 94 SEP 30
  - (e) Date Design Complete 95 JUL 01
- (2) Basis:
  - (a) Standard or Definitive Design - NO
  - (b) Where Design Was Most Recently Used - N/A
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 49
  - (b) All Other Design Costs 51
  - (c) Total 100
  - (d) Contract 80
  - (e) In-house 20
- (4) Construction Start 96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
TEXAS		
BROOKS AFB (MTC) CNBC880088 131-111	ADD TO AND ALTER COMMUNICATIONS FACILITY	233
<p>Add to and alter a communications facility. (Current Mission) A properly configured and adequately sized communications facility is required to support the Video Teleconferencing Center (VTC). The VTC provides for the real time exchange of both classified and unclassified information between HQ Air Force Material Command, Human Systems Center (HSC), and other Air Force bases throughout the United States. Brooks Air Force Base constructed a VTC through the FY 1989 operations and maintenance (O&amp;M) program to provide for the real time exchange of information with organizations across the country. The entire project was financed with O&amp;M funds instead of a mixture of equipment and construction funds. A subsequent Air Force Audit Agency audit recommended that construction funds should have been used to construct the facility which houses the VTC equipment. The audit also determined the total construction costs to be \$233,000. Since construction costs exceed the legal limit of \$200,000, which was in effect for O&amp;M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY89 O&amp;M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BROOKS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADD TO AND ALTER COMMUNICATIONS FACILITY	5. PROJECT NUMBER CNBC880088	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	88 AUG 21	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	88 DEC 15	
(e) Date Design Complete	89 APR 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	10	
(b) All Other Design Costs	2	
(c) Total	12	
(d) Contract		
(e) In-house	12	
(4) Construction Start 89 SEP		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>TEXAS</u>		
KELLY AFB (MTC) MBPB911249 131-111	COMMUNICATIONS FACILITY	353
<p>Construct a communications facility. (Current Mission) A secure Video Teleconferencing (VTC) facility is needed to discuss classified information with representatives of Headquarters Air Force Material Command and other Air Force bases. The facility must comply with communications and electronic security requirements. The existing VTC is located on the fourth floor of the wing headquarters building. Numerous mission essential functions on this base rely heavily on the VTC to discuss and transmit defense information. However, classified information cannot be discussed in the existing VTC because utilities throughout the building emanate electronic or audio signals. The only access to the VTC is via three flights of steep and narrow stairs to the fourth floor of the wing headquarters building. These stairs make the VTC inaccessible to handicapped personnel. Also, parking lots around the headquarters building are extremely congested. These factors made it impractical to reconfigure the existing VTC, so a project for a new VTC was initially programmed in the FY91 O&amp;M program. Design was completed and construction started; however, construction was halted when it became evident that the cost would exceed O&amp;M construction limits set by law (\$200K at the time). Congressional approval and authorization through the MILCON process are needed so that construction can be completed. The capability to discuss and handle classified information through a VTC system will not exist at Kelly Air Force Base. Additional travel expenses will be incurred and the accomplishment of numerous mission support functions will be restricted or delayed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE COMMUNICATIONS FACILITY	5. PROJECT NUMBER MBPB911249	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 MAY 05	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	91 JUN 01	
(e) Date Design Complete	91 JUL 09	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	16	
(b) All Other Design Costs	4	
(c) Total	20	
(d) Contract	20	
(e) In-house		
(4) Construction Start 91 SEP		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>STATE AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>VIRGINIA</u>		
LANGLEY AFB (ACC) MUHJ910440B 610-284	ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY	263
<p>Alter an Air Combat Command Headquarters facility. (Current Mission) Provide a safe, dry, structurally stable and asbestos free facility for the support of Headquarters staff offices and functions. Include provisions for proper fire egress, low maintenance exterior finishes, adequate building and grounds run-off, and improved insect and fungi prevention measures. In addition, ensure that all improvements are in accordance with National Historic Preservation Act regulations. This project was executed in the FY91 operation and maintenance (O&amp;M) program to eliminate numerous deficiencies. A subsequent audit by the Air Force Audit Agency stated that construction funds should have been used to alter this facility. Since construction costs exceeded the amount of \$200,000, which was the legal limit in effect for O&amp;M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&amp;M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY	5. PROJECT NUMBER MUHJ910440B	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 JAN 30	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	91 MAR 20	
(e) Date Design Complete	91 JUL 03	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	15	
(b) All Other Design Costs	12	
(c) Total	27	
(d) Contract		
(e) In-house	27	
(4) Construction Start 91 DEC		
b. Equipment associated with this project will be provided from other appropriations: N/A		

<b>1. COMPONENT</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	<b>2. DATE</b>
AIR FORCE	3. INSTALLATION AND LOCATION	
VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
<b>4. PROJECT TITLE</b>	<b>5. PROJECT NUMBER</b>	
PROJECTS \$1 MILLION AND UNDER		
<u>STATE AND LOCATION</u>		<u>PROJECT TITLE</u>
<u>VIRGINIA</u>		<u>COST (\$000)</u>
LANGLEY AFB (ACC) MUHJ953006 871-183		UPGRADE STORM DRAINAGE SYSTEM      1000
<p>Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Langley AFB will be required to certify that no non-storm water discharges are connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Langley AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the storm water NPDES permit. The lack of containment and berthing allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Back River, Hampton Roads and the Chesapeake Bay. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Langley AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>LANGLEY AIR FORCE BASE, VIRGINIA</u>		
4. PROJECT TITLE <u>UPGRADE STORM DRAINAGE SYSTEM</u>	5. PROJECT NUMBER <u>MUHJ953006</u>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 MAY 14	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	35%	
(d) Date 35% Designed.	94 SEP 15	
(e) Date Design Complete	95 SEP 20	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	60	
(b) All Other Design Costs	40	
(c) Total	100	
(d) Contract	66	
(e) In-house	34	
(4) Construction Start 96 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>COUNTRY AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
<u>FEDERAL REPUBLIC OF GERMANY</u>		
SPANGDAHLEM AB (AFE) VYHK946009 211-183	SOUND SUPPRESSOR FOUNDATION	600
<p>Construct a sound suppressor foundation (T-9). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from closing Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. Sound suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. The T-9 sound suppressor is used for power checks on engines after they are removed from the aircraft. (A T-11 sound suppressor, requested in a separate project, is used for power checks on engines attached to the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-9 sound suppressor, and the companion T-11 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. The operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 50 percent NATO construction cost share but the estimated US cost share exceeds the O&amp;M minor construction statutory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>COUNTRY AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE SOUND SUPPRESSOR FOUNDATION	5. PROJECT NUMBER VYHK946009	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 FEB 21	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	94 MAR 10	
(e) Date Design Complete	94 NOV 05	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	60	
(c) Total	90	
(d) Contract	50	
(e) In-house	40	
(4) Construction Start 95 NOV		
b. Equipment associated with this project will be provided from other appropriations:		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED COST (\$000)
T-9 SOUND SUPPRESSOR	3080	1996 1550

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
COUNTRY AND LOCATION	PROJECT TITLE	COST (\$000)
<u>FEDERAL REPUBLIC OF GERMANY</u>		
SPANGDAHLEM AB (AFE) VYHK946011 211-183	SOUND SUPPRESSOR FOUNDATION	950
<p>Construct a sound suppressor foundation (T-11). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from the closure of Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. The T-11 sound suppressor is used for checks performed with the engines installed on the airframe. Sound suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. (The T-9 sound suppressor, requested in a separate project, is used for power checks on engines after they are removed from the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-11 sound suppressor, and the companion T-9 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. The operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability package, however, the capability package is not yet approved. Current estimates predict a 54 percent NATO construction cost share but the estimated total US share exceeds the O&amp;M minor construction statutory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE  PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>COUNTRY AND LOCATION</u>		<u>PROJECT TITLE</u>
		COST (\$000)
<p>project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE SOUND SUPPRESSOR FOUNDATION	5. PROJECT NUMBER VYHK946011	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 FEB 01	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	100%	
(d) Date 35% Designed.	94 MAR 01	
(e) Date Design Complete	94 NOV 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	60	
(c) Total	90	
(d) Contract	50	
(e) In-house	40	
(4) Construction Start 95 NOV		
b. Equipment associated with this project will be provided from other appropriations:		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED
SOUND SUPPRESSOR	3080	1996
		COST (\$000)
		3342

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	

<u>COUNTRY AND LOCATION</u>	<u>PROJECT TITLE</u>	<u>COST (\$000)</u>
-----------------------------	----------------------	-------------------------

FEDERAL REPUBLIC OF GERMANY

SPANGDAHLEM AB (AFE) VYHK946839 212-213	ADD TO MISSILE MAINTENANCE SHOP	930
---	------------------------------------	-----

Add to Missile Maintenance Shop. (New Mission) An adequate facility is required to inspect, maintain, and repair the five missile types assigned. The addition of two new missile types to the Spangdahlem arsenal resulted from the beddown of F-15 aircraft from Bitburg AB. Due to the safety requirements associated with working on numerous and different weapons systems, coupled with the additional workload resulting from the increased missile inventory at the base, the existing facility requires the addition of one maintenance bay. The existing maintenance facility was barely able to support the missile maintenance workload at Spangdahlem which had only three types of missiles. The addition of the F-15 aircraft and its two new missile types has caused a severe overload, and missile maintenance at acceptable production and safety levels is not possible. The operation required 24 hour per day, seven days per week shift work to meet the workload for three missile types in an acceptably safe manner. The space available in the existing structure makes it impossible to work on more than one missile type at a time, resulting in labor intensive work arounds to satisfy safety requirements associated with keeping these weapons systems properly segregated. No other work arounds are available that will allow the existing facility to safely support the workload that has resulted from the addition of two new missile types. The availability and reliability of missiles will continue to degrade, thereby increasing the risk of a catastrophic accident. Without this addition, the risks to which personnel are exposed will remain unacceptable. The missile maintenance function will not be able to support the base mission. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 53 percent NATO construction cost share but the estimated total US cost share exceeds the O&M minor construction statutory limit. A prefinancing statement was issued. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>SPANGDAHLEM AIR FORCE, GERMANY</b>		
4. PROJECT TITLE ADD TO MISSILE MAINTENANCE SHOP	5. PROJECT NUMBER <b>VYHK946839</b>	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started 94 FEB 01
  - (b) Parametric Cost Estimates used to develop costs Y
  - (c) Percent Complete as of Jan 1995 30%
  - (d) Date 35% Designed. 94 MAR 10
  - (e) Date Design Complete 94 JUL 20
- (2) Basis:
  - (a) Standard or Definitive Design - NO
  - (b) Where Design Was Most Recently Used - N/A
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications 8
  - (b) All Other Design Costs 2
  - (c) Total 10
  - (d) Contract 10
  - (e) In-house
- (4) Construction Start 95 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER	5. PROJECT NUMBER	
<u>COUNTRY AND LOCATION</u>		<u>PROJECT TITLE</u>
<u>ITALY</u>		<u>COST (\$000)</u>
AVIANO AB (AFE) ASHE983004 141-489	SQUADRON OPERATIONS FACILITY	950
<p>Construct a squadron operations facility. (New Mission) This facility is required to accommodate the move of the 603d Air Control Squadron (ACS) from Sembach AB, Germany to Aviano AB, Italy. Space is required for squadron management, mission planning, briefing/debriefing, training, mobility operations, and logistics functions. The 603 ACS move from Sembach AB, Germany to Aviano AB, Italy was completed in July 1994. The squadron occupied existing facilities to the maximum extent possible at Aviano, but available space is 6000 SF short of the total required. The shortfall has been satisfied by acquiring temporary facilities, but a permanent structure must be provided as soon as possible to allow the 603 ACS to complete its beddown and resume efficient operations. The base was unable to provide permanent foundations or provide plumbing for the temporary facilities, forcing personnel to use temporary rest rooms. There are no other permanent facilities available on or off base to accommodate these functions. The 603 ACS will not be able to adequately and efficiently meet its mission requirements. It will continue to use temporary facilities, degrading its efficiency and impacting the morale of its personnel. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event criteria change for these type of facilities. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <b>AVIANO AIR BASE, ITALY</b>		
4. PROJECT TITLE <b>SQUADRON OPERATIONS FACILITY</b>	5. PROJECT NUMBER <b>ASHE983004</b>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JUN 17	
(b) Parametric Cost Estimates used to develop costs	Y	
(c) Percent Complete as of Jan 1995	30%	
(d) Date 35% Designed.	95 FEB 10	
(e) Date Design Complete	95 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	95	
(c) Total	125	
(d) Contract	95	
(e) In-house	30	
(4) Construction Start 95 NOV		
b. Equipment associated with this project will be provided from other appropriations: N/A		

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FY 1996 NARRATIVE SUMMARY

This Military Family Housing request supports the policy that excellent housing facilities be provided for all military members and their families and that continual improvement in quality is the measure of excellence. We depend first on the local community to meet our housing needs. When local community housing is not available, military family housing will meet contemporary community living standards. Our housing inventory is operated and maintained at a standard that protects from deterioration, and maintains the quality level established by previous Congressional appropriations. Our goal is to provide quality homes that meet contemporary whole-house standards.

Family housing is one of the most important quality of life issues in the Air Force. Improving or replacing our aging housing inventory is our top facility priority. Our military members and their families expect and deserve homes which meet current standards of livability. In the era of downsizing, we cannot afford to lose highly trained Air Force members because adequate housing on or near our military installations is not available. Also, we cannot afford to let our existing military family housing inventory deteriorate, or fail to modernize it to reduce operating costs.

This budget provides a balanced program between construction, operations, maintenance, and leasing. Construction projects will replace worn-out and substandard homes in areas which violate airfield clearance and noise exposure criteria. We continue to propose projects to provide new support facilities at installations with the greatest need. The total construction funding level indicates the Air Force's commitment to replace or revitalize our existing inventory to meet contemporary standards. We are concentrating on our oldest homes and replacing or improving as economic analysis indicates.

The operations, maintenance, and leasing accounts predominately support "must pay" requirements such as civilian pay, service contracts, lease contracts, utilities, and required maintenance to keep existing housing units from further deteriorating. The maintenance account also supports our goal to arrest the deferred maintenance and repair (DMAR) growth as much as possible within our fiscal constraints.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

Also, the furnishings account provides for required government furniture overseas and initial issue of appliances to support new housing throughout the Air Force.

We believe this funding profile represents a well balanced program to achieve quality of life goals for military families within the fiscal constraints imposed. We respectfully request full and complete support for the Air Force family housing needs presented in this request.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
FAMILY HOUSING NARRATIVE	435
INDEX	437
SUMMARY	441
LEGISLATIVE LANGUAGE	442
Authorization	
Appropriation	
PROGRAM AND FINANCING SCHEDULES	446
NEW CONSTRUCTION	465
New Construction Purpose and Scope	467
Elmendorf AFB AK	469
Davis Monthan AFB AZ	471
Little Rock AFB AR	475
Beale AFB CA	479
Edwards AFB CA	481
Vandenberg AFB CA	485
Peterson AFB CO	491
Bolling AFB DC	493
Eglin AFB FL	497
Eglin AUX Field 9 FL	499
MacDill AFB FL	501
Patrick AFB FL	503
Tyndall AFB FL	507
Moody AFB GA	511
Mountain Home AFB ID	515
McConnell AFB KS	517
Barksdale AFB LA	521
Keesler AFB MS	525
Whiteman AFB MO	529
Nellis AFB NV	533
Holloman AFB NM	537
Kirtland AFB NM	541

DEPARTMENT OF THE AIR FORCE  
 MILITARY FAMILY HOUSING  
 FY 1996 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
NEW CONSTRUCTION FY 1996 CONTINUED	
Pope AFB NC	545
Seymour Johnson AFB NC	549
Shaw AFB SC	553
Dyess AFB TX	555
Lackland AFB TX	557
Sheppard AFB TX	561
McChord AFB WA	565
Andersen AFB GU	569
Incirlik AB TK	571
POST ACQUISITION CONSTRUCTION Purpose and Scope	575
FY 1996 1391	576
Alaska	577
Colorado	577
District of Columbia	578
Florida	579
Georgia	579
Hawaii	580
Illinois	580
New Jersey	581
North Carolina	582
Ohio	583
Virginia	583
Wyoming	584
Australia	585
Germany	585
Guam	586
Post Acquisition Over \$50,000 per Unit FY 1996	587
Peterson AFB CO	588
Air Force Academy CO	590
Moody AFB GA	592
Hickam AFB HI	594
Scott AFB IL	596
McGuire AFB NJ	598

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
Over \$50,000 Continued	
Pope AFB NJ	602
Wright Patterson AFB OH	604
FE Warren AFB WY	606
Overseas	
Woomera AS AU	608
ADVANCE PLANNING AND DESIGN FY 1996	610
OPERATIONS AND MAINTENANCE SUMMARY	
Narrative	612
Inventory and Funding Summary FH-2	615
OPERATIONS	616
Management OP-5 FY95/96	617
Services OP-5 FY95/96	619
Furnishings OP-5 FY95/96	621
Miscellaneous OP-5 FY95/96	623
UTILITIES OP-5 FY95/96	625
MAINTENANCE OP-5 FY95/96	628
DMAR Chart	631
Historical Housing Costs	633
MAINTENANCE AND REPAIR OVER \$15,000 PER UNIT FY 1996	634
GENERAL OFFICER QUARTERS OVER \$25,000 PER UNIT FY 1996	640
REIMBURSABLE PROGRAM OP-5 FY95/96	643

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
LEASING	
OP-5 FY95/96	645
Exhibit FH-4, Leasing (Other than Section 801 & 802)	649
Exhibit FH-4A, High Cost Foreign Leased Units	650
Exhibit FH-5, Section 801 Leases	651
DEBT PAYMENTS	652

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1996  
(\$ in Thousands):

FUNDING PROGRAM FY 1996

Construction	\$154,955
Post-Acquisition Construction	85,059
Design and Advance Planning	<u>8,989</u>
 <u>Appropriation Request: Construction</u>	 \$249,003
 Operations, Utilities and Maintenance	\$733,519
Operating Expenses	127,009
Utilities	197,539
Maintenance	408,971
 Leasing - Worldwide	\$115,665
 Debt Payment	
Debt Reduction	0
Interest Payments	0
Servicemen's Mortgage	29
Insurance Premiums	
SUBTOTAL	29
 <u>Appropriation Request: O&amp;M Leasing, and Debt Payment</u>	 <u>\$849,213</u>
 <u>Appropriation Request</u>	 <u>\$1,098,216</u>
Reimbursement Program	\$13,151
FY 1996 Family Housing Program	\$1,111,367

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

Authorization Language

SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
Alaska	Elmendorf AFB	Housing Office and Maintenance Facility	\$ 3,000,000
Arizona	Davis-Monthan AFB	80 Units	\$ 9,498,000
Arkansas	Little Rock AFB	1 Unit	\$ 210,000
California	Beale AFB	Housing Office	\$ 842,000
	Edwards AFB	67 Units	\$ 11,350,000
	Vandenberg AFB	143 Units	\$20,200,000
	Vandenberg AFB	Housing Office	\$ 900,000
Colorado	Peterson AFB	Housing Office	\$ 570,000
District of Columbia	Bolling AFB	32 Units	\$ 4,100,000
Florida	Eglin AFB	Housing Office	\$ 500,000
	Eglin Aux Field 9 (Hurlburt Field)	Housing Office and Maintenance Facility	\$ 880,000

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
Florida (cont'd)	MacDill AFB	Housing Office	\$ 646,000
	Patrick AFB	70 Units	\$ 7,947,000
	Tyndall AFB	52 Units	\$ 5,500,000
Georgia	Moody AFB	3 Units	\$ 513,000
Idaho	Mountain Home AFB	Housing Office	\$ 844,000
Kansas	McConnell AFB	39 Units	\$ 5,193,000
Louisiana	Barksdale AFB	62 Units	\$10,299,000
Mississippi	Keesler AFB	98 Units	\$ 9,300,000
Missouri	Whiteman AFB	72 Units	\$ 9,948,000
Nevada	Nellis AFB	6 Units	\$ 1,357,000
New Mexico	Holloman AFB	1 Unit	\$ 225,000
	Kirtland AFB	105 Units	\$11,000,000
North Carolina	Pope AFB	104 Units	\$ 9,984,000
	Seymour Johnson AFB	1 Unit	\$ 204,000
South Carolina	Shaw AFB	Housing Maintenance Facility	\$ 715,000
Texas	Dyess AFB	Housing Maintenance Facility	\$ 580,000
	Lackland AFB	67 Units	\$ 6,200,000
	Sheppard AFB	Housing Office	\$ 500,000

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
	Sheppard AFB	Housing Maintenance Facility	\$ 600,000
Washington	McChord AFB	50 Units	\$ 9,504,000
Guam	Andersen AFB	Housing Office	\$ 1,700,000
Turkey	Incirlik AFB	150 Units	\$ 10,146,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$8,989,000.

**SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS**

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$85,059,000.

**SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE**

**(a) IN GENERAL**

**(5) for Military Family Housing functions -**

(A) For construction and acquisition of military family housing and facilities, \$249,003,000.

(B) For support of military family housing (including functions described in section 2833 of title 10, United States Code), \$849,213,000 of which not more than \$115,665,000 may be obligated or expended for leasing of military units worldwide.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for [FY95] and FY96 Construction, [\$277,444,000] \$249,003,000, for Operations and Maintenance, and Debt Payment[\$824,845,000] \$849,213,000; in all [\$1,102,289,000] \$1,098,216,000: Provided: That the amount for construction shall remain available until September 30, [1999] 2000.

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1990**

Budget Plan (amounts for FAMILY  
HOUSING actions programmed)

**Identification code    57-7040-0-1-051**

**Program by activities:**

Direct program:

    01.0201 Post Acquisition Construction  
    01.0301 Planning and design

    01.9101 Total direct program

**10.0001 Total**

**Financing:**

17.0001 Recovery of prior year obligations

    Unobligated balance available, start of year:  
        For completion of prior year budget plans

        Reprogramming from/to prior year budget plans

        Unobligated balance expiring

21.4002  
21.4009  
25.0001  
**39.0001**      Budget authority

-133  
133

Budget Plan (amounts for FAMILY  
HOUSING actions programmed)

1994 actual    1995 est.    1996 est.    1997 est.

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**      **FISCAL YEAR 1990**

**Obligations**

		1994 actual	1995 est.	1996 est.	1997 est.
Identification code	57-7040-0-1-051				
<b>Program by activities:</b>					
Direct program:		2,593	451	-----	-----
Post Acquisition Construction		-----	-----	-----	-----
Planning and design		-----	3,044	-----	-----
Total direct program		-----	-----	-----	-----
10.0001	Total	3,044	-----	-----	-----
<b>Financing:</b>					
Recovery of prior year obligations		-159	-----	-----	-----
Unobligated balance available, start of year:		-----	-----	-----	-----
For completion of prior year budget plans		-3,018	-----	-----	-----
Reprogramming from/to prior year budget plans		133	-----	-----	-----
25.0001	Unobligated balance expiring	-----	-----	-----	-----
39.0001	Budget authority	-----	-----	-----	-----

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**

FISCAL YEAR 1991

**Budget Plan (amounts for FAMILY  
HOUSING actions programmed)**

<b>Identification code</b>	<b>57-7040-0-1-051</b>	<b>1994 actual</b>	<b>1995 est.</b>	<b>1996 est.</b>	<b>1997 est.</b>
<b>Program by activities:</b>					
Direct program:					
01.0101	Construction of new housing				
01.0201	Post Acquisition Construction				
01.0301	Planning and design				
<b>01.9101</b>	<b>Total direct program</b>				
<b>10.0001</b>	<b>Total</b>				
<b>Financing:</b>					
Recovery of prior year obligations					
17.0001	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4009	Reprogramming from/to prior year budget plans	-951			
22.0001	Unobligated balance transferred to other accounts				
24.4002	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans				
<b>39.0001</b>	<b>Budget authority</b>				

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**

**FISCAL YEAR 1991**

		Obligations			
		1994 actual	1995 est.	1996 est.	1997 est.
<b>Identification code</b>	<b>57-7040-0-1-051</b>				
<b>Program by activities:</b>					
Direct program:					
Construction of new housing		107	1,929		
Post Acquisition Construction		6,620	4,949		
Planning and design		2,038			
<b>01.9101</b>	<b>Total direct program</b>	<b>8,765</b>	<b>6,878</b>		
<b>10.0001</b>	<b>Total</b>	<b>8,765</b>	<b>6,878</b>		
<b>Financing:</b>					
17.0001	Recovery of prior year obligations	-2,842			
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-13,752			
21.4009	Reprogramming from/to prior year budget plans				
22.0001	Unobligated balance transferred to other accounts	951			
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans	6,878			
39.0001	Budget authority				

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1992**

Budget Plan (amounts for FAMILY  
HOUSING actions programmed)

Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
---------------------	-----------------	-------------	-----------	-----------	-----------

**Program by activities:**

Direct program:

Construction of new housing  
Post Acquisition Construction  
Planning and design

Total direct program

10.0001 Total

**Financing:**

17.0001 Recovery of prior year obligations

Unobligated balance available, start of year:

21.4002 For completion of prior year budget plans

21.4003 Available to finance new budget plans

21.4009 Reprogramming from/to prior year budget plans

22.0001 Unobligated balance transferred to other accounts

22.0001 Unobligated balance available, end of year:

24.4002 For completion of prior year budget plans

40.0001 Budget authority (Appropriation rescinded) (

-6,400  
-2,068  
2,068

-6,400

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**      **FISCAL YEAR 1992**

Obligations

Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
<b>Direct program:</b>					
01.0101	Construction of new housing	1,698	1,303	1,459	
01.0201	Post Acquisition Construction	18,806	5,560	18,488	
01.0301	Planning and design	577	300	-	
<b>01.9101</b>	<b>Total direct program</b>	<b>21,081</b>	<b>7,163</b>	<b>19,947</b>	
<b>10.0001</b>	<b>Total</b>	<b>21,081</b>	<b>7,163</b>	<b>19,947</b>	
<b>Financing:</b>					
<b>17.0001</b>	<b>Recovery of prior year obligations</b>	<b>-10,374</b>			
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans	-39,885	-27,110	-19,947	
21.4003	Available to finance new budget plans	-6,400			
21.4009	Reprogramming from/to prior year budget plans	2,068			
22.0001	Unobligated balance transferred to other accounts	-			
24.4002	Unobligated balance available, end of year:	27,110	19,947	-	
40.0001	For completion of prior year budget plans	-6,400			
Budget authority (Appropriation rescinded) (					

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1993**

**Budget Plan (amounts for FAMILY  
HOUSING actions programmed)**

		1994 actual	1995 est.	1996 est.	1997 est.
<b>Identification code    57-7040-0-1-051</b>					
Program by activities:					
Direct program:					
Construction of new housing					
Post Acquisition Construction					
Planning and design					
Total direct program					
10.0001	Total				
<b>Financing:</b>					
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-48,702			
01.0201	Available to finance new budget plans	-10,000			
01.0301	Reprogramming from/to prior year budget plans	10,000			
21.4009	Unobligated balance transferred to other accounts				
22.0001	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	-48,702			
40.0001	Budget authority (Appropriation rescinded) (				

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1993**

**Obligations**

<b>Identification code</b>	<b>57-7040-0-1-051</b>	<b>1994 actual</b>	<b>1995 est.</b>	<b>1996 est.</b>	<b>1997 est.</b>
<b>Program by activities:</b>					
<b>Direct program:</b>					
Construction of new housing		21,623	12,999	5,736	
Post Acquisition Construction		44,179	10,463	1,395	
Planning and design		3,122	559	75	
		-----	-----	-----	-----
		68,924	24,021	7,206	
		-----	-----	-----	-----
		68,924	24,021	7,206	
<b>10.0001 Total direct program</b>					
<b>10.0001 Total</b>					
<b>Financing:</b>					
17.0001 Recovery of prior year obligations		-2,435			
Unobligated balance available, start of year:					
For completion of prior year budget plans		-111,489	-35,000	-10,979	
Available to finance new budget plans		-48,702			
Reprogramming from/to prior year budget plans					
Unobligated balance transferred to other accounts		10,000			
Unobligated balance available, end of year:		35,000	10,979	3,773	
For completion of prior year budget plans					
40.0001 Budget authority (Appropriation rescinded) (		-48,702			

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1994**

		<b>Budget Plan (Amounts for FAMILY HOUSING actions programmed)</b>		
<b>Identification code</b>	<b>57-7040-0-1-051</b>	<b>1994 actual</b>	<b>1995 est.</b>	<b>1996 est.</b>
<b>Program by activities:</b>				
Direct program:				
01.0101	Construction of new housing	102,064		
01.0201	Post Acquisition Construction	75,070		
01.0301	Planning and design	11,901		
01.9101	Total direct program	189,035		
10.0001	Total	189,035		
<b>Financing:</b>				
Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-2,000		
22.0001	Unobligated balance transferred to other accounts			
Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans			
40.0001	Budget authority (Appropriation)	187,035		

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**      **FISCAL YEAR 1994**

		Obligations			
		1994 actual	1995 est.	1996 est.	1997 est.
<b>Identification code</b>	<b>57-7040-0-1-051</b>				
<b>Program by activities:</b>					
Direct program:					
Construction of new housing	57,872	31,197	5,645		
Post Acquisition Construction	59,128	10,524	4,507		
Planning and design	4,623	1,190	1,190		
	-----	-----	-----		
<b>Total direct program</b>	<b>121,623</b>	<b>42,911</b>	<b>11,342</b>		
	-----	-----	-----		
<b>10.0001 Total</b>	<b>121,623</b>	<b>42,911</b>	<b>11,342</b>		
<b>Financing:</b>					
Unobligated balance available, start of year:					
For completion of prior year budget plans	-2,000	-67,412	-24,501		
Unobligated balance transferred to other accounts					
Unobligated balance available, end of year:					
For completion of prior year budget plans	67,412	24,501	13,159		
	-----	-----	-----		
<b>40.0001 Budget authority (Appropriation)</b>	<b>187,035</b>				

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1995**

		Budget Plan (amounts for FAMILY HOUSING actions programmed)		
Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.
<b>Program by activities:</b>				
Direct program:				
01.0101	Construction of new housing	206,399		
01.0201	Post Acquisition Construction	61,770		
01.0301	Planning and design	9,275		
01.9101	Total direct program		277,444	
03.0101	Reimbursable Program			110
10.0001	Total			277,554
<b>Financing:</b>				
Offsetting collections from:				
11.0001	Federal funds (-)	-110		
	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans			
24.4002	Unobligated balance available, end of year:			
	For completion of prior year budget plans			
40.0001	Budget authority (Appropriation)			277,444

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1995**

		Obligations		
Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.
<b>Program by activities:</b>				
01.0101	Direct program: Construction of new housing	119,864	47,459	
01.0201	Post Acquisition Construction	28,414	21,002	
01.0301	Planning and design	4,267	928	
		-	-	-
01.9101	Total direct program	152,545	69,389	
03.0101	Reimbursable Program	110	-	
		-	-	-
10.0001	Total	152,655	69,389	
<b>Financing:</b>				
	Offsetting collections from:			
11.0001	Federal funds (-)	-110		
21.4002	Unobligated balance available. start of year: For completion of prior year budget plans	-124,899		
24.4002	Unobligated balance available. end of year: For completion of prior year budget plans	124,899	55,510	
		-	-	-
40.0001	Budget authority (Appropriation)	277,444		

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1998**

		Budget Plan (amounts for FAMILY HOUSING actions programmed)			
Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
Direct program:					
01.0101	Construction of new housing	154,955			
01.0201	Post Acquisition Construction	85,059			
01.0301	Planning and design	8,989			
			249,003		
01.9101	Total direct program		260		
03.0101	Reimbursable Program			249,263	
10.0001	Total				
<b>Financing:</b>					
Offsetting collections from:					
11.0001	Federal funds (-)	-260			
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans				
40.0001	Budget authority (Appropriation)			249,003	

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)      FISCAL YEAR 1996**

		Obligations		
Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.
<b>Program by activities:</b>				
Direct program:				
Construction of new housing		92,084		
Post Acquisition Construction		40,616		
Planning and design		4,135		
		-----	-----	-----
01.0101	Total direct program		136,835	
01.0201			260	
01.0301			-----	-----
			137,095	
01.9101	Total			
03.0101	Reimbursable Program			
10.0001	Total			
<b>Financing:</b>				
	Offsetting collections from:			
11.0001	Federal funds (-)	-260		
	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans			
	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans			
40.0001	Budget authority (Appropriation)			

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**

**SUMMARY**

**Budget Plan (amounts for FAMILY  
HOUSING actions programmed)**

Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Program by activities:</b>					
Direct program:					
01.0101	Construction of new housing	102,064	206,399	154,955	
01.0201	Post Acquisition Construction	75,070	61,770	85,059	
01.0301	Planning and design	11,901	9,275	8,989	
		-----	-----	-----	-----
	Total direct program	189,035	277,444	249,003	
01.9101	Total direct program	189,035	277,444	249,003	
03.0101	Reimbursable Program			110	260
10.0001	Total	189,035	277,554	249,263	

**Financing:**

Offsetting collections from:		
11.0001	Federal funds (-)	
17.0001	Recovery of prior year obligations	
	Unobligated balance available, start of year:	
21.4002	For completion of prior year budget plans	-55,102
21.4003	Available to finance new budget plans	-13,152
21.4009	Reprogramming from/to prior year budget plans	11,019
22.0001	Unobligated balance transferred to other accounts	
	Unobligated balance available, end of year:	
24.4002	For completion of prior year budget plans	
25.0001	Unobligated balance expiring	

40.0001 Budget authority (Appropriation)

**Relation of obligations to outlays:**

71.0001	Obligations incurred
72.4001	Obligated balance, start of year
74.4001	Obligated balance, end of year
77.0001	Adjustments in expired accounts (net)
78.0001	Adjustments in unexpired accounts
80.0001	Outlays (net)

**Family Housing Construction, Air Force  
Program and Financing (in Thousands of dollars)**

**SUMMARY**

Identification code	57-7040-0-1-051	Obligations				
		1994 actual	1995 est.	1996 est.	1997 est.	
<b>Program by activities:</b>						
<b>Direct program:</b>						
01.0101	Construction of new housing	81,300	167,292	152,383		
01.0201	Post Acquisition Construction	131,326	59,910	86,008		
01.0301	Planning and design	10,811	6,316	6,328		
01.9101	Total direct program	223,437	233,518	244,719		
<b>Reimbursable Program</b>						
03.0101	Total	223,437	233,628	244,979		
<b>Financing:</b>						
<b>Offsetting collections from:</b>						
11.0001	Federal funds (-)	-15,810	-110	-260		
17.0001	Recovery of prior year obligations					
	Unobligated balance available, start of year:					
	For completion of prior year budget plans	-168,144	-136,400	-180,326		
	Available to finance new budget plans	-55,102				
	Reprogramming from/to prior year budget plans					
	Unobligated balance transferred to other accounts	11,019				
	Unobligated balance available, end of year:					
	For completion of prior year budget plans	136,400	180,326	184,610		
	Unobligated balance expiring	133				
40.0001	Budget authority (Appropriation)	131,933	277,444	249,003		
<b>Relation of obligations to outlays:</b>						
71.0001	Obligations incurred	223,437	233,518	244,719		
72.4001	Obligated balance, start of year	334,057	270,945	305,771		
74.4001	Obligated balance, end of year	-270,945	-305,771	-344,394		
77.0001	Adjustments in expired accounts (net)	-10,321				
78.0001	Adjustments in unexpired accounts	-15,810				
90.0001	Outlays (net)	260,417	198,692	206,096		

**Family Housing Construction, Air Force  
Object Classification (in Thousands of dollars) SUMMARY**

	Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
	<b>Direct obligations:</b>					
132.001	Land and structures		223,437	233,518	244,719	
<b>199.001</b>	<b>Total Direct obligations</b>		<b>223,437</b>	<b>233,518</b>	<b>244,719</b>	
	<b>Reimbursable obligations:</b>					
232.001	Land and structures			110	260	
<b>299.001</b>	<b>Total Reimbursable obligations</b>			<b>110</b>	<b>260</b>	
<b>999.901</b>	<b>Total obligations</b>		<b>223,437</b>	<b>233,628</b>	<b>244,979</b>	

Family Housing Operations & Debt, AF  
Program and Financing (in Thousands of dollars)

		1994 actual	1995 est.	1996 est.	1997 est.
<b>Identification code</b>	<b>57-7045-0-1-051</b>				
Program by activities:					
Direct program:					
Operating expenses					
Leasing					
Maintenance of real property					
Mortgage insurance premiums					
02.0101	301,740	304,918	324,548		
02.0201	102,173	112,757	115,665		
02.0301	392,287	407,144	408,971		
02.0501	21	26	29		
Total direct program	796,221	824,845	849,213		
02.9101	10,422	13,331	13,151		
03.0101 Reimbursable Program					
10.0001 Total obligations	806,643	838,176	862,364		
Financing:					
Offsetting collections from:					
Federal funds (-)	-1,160	-3,707	-3,714		
Non-Federal sources (-)	-9,262	-9,624	-9,437		
Unobligated balance transferred from other accounts (-)					
22.0001 Unobligated balance expiring	-14,712				
25.0001 Unobligated balance expiring	9,403				
790,912	824,845	849,213			
40.0001 Budget authority (Appropriation)					
Relief of obligations to outlays:					
71.0001 Obligations incurred	796,221	824,845	849,213		
72.1001 Receivables from other government accts. SOY	-291	-264			
72.4001 Obligated balance, start of year	446,880	375,351	407,780		
74.1001 Receivables from other government accts. EOY	264				
74.4001 Obligated balance, end of year	-375,351	-407,780	-431,512		
77.0001 Adjustments in expired accounts (net)	-21,600				
846,123	792,152	825,481			
90.0001 Outlays (net)					

**Family Housing Operations & Debt, AF**  
**Object Classification (in Thousands of dollars)**

Identification code	57-7045-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
<b>Direct obligations:</b>					
121.001	Travel and transportation of persons	1,035	1,021	1,041	
122.001	Transportation of things	164	164	170	
123.201	Rental payments to others	77,826	74,182	104,693	
125.203	Other services with the private sector				
	Contracts with the private sector	113,129	114,390	112,088	
125.204	Other charges with the private sector	556,337	581,230	575,332	
125.302	Purchases goods/services (inter/intra) Fed accounts				
126.001	Payments to foreign/national indirect hire personnel	29,381	2	2	
131.001	Supplies and materials	14,794	15,264	15,792	
132.001	Equipment	3,553	3,692	3,807	
199.001	Total Direct obligations	796,221	824,845	849,213	
<b>Reimbursable obligations:</b>					
225.204	Other services with the private sector	10,422	13,331	13,151	
299.001	Total Reimbursable obligations	10,422	13,331	13,151	
999.901	Total obligations	806,643	838,176	862,364	

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested in two separate categories: new mission and current mission. "New Mission" projects are projects that support deployment and beddown of new weapon systems, new program initiatives, and major mission expansions. "Current mission" projects are projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

**NEW CONSTRUCTION**

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED AUTHORIZATION AMOUNT (\$000)</u>
Whiteman AFB MO	New	72	9,948
Pope AFB NC	New	104	9,984

**REPLACEMENT HOUSING**

Davis Monthan AFB AZ	Current	80	9,498
Little Rock AFB AR	Current	1	210
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA	Current	143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current	98	9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour Johnson AFB NC	Current	1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB	Current	150	10,146

DEPARTMENT OF THE AIR FORCE  
 MILITARY FAMILY HOUSING  
 FY 1996 BUDGET REQUEST

SUPPORT FACILITIES

Elmendorf AFB AK	Current HSG Offc & Mnt Fac	3,000
Beale AFB CA	Current HSG Offc	842
Vandenberg AFB CA	Current HSG Offc	900
Peterson AFB CO	Current HSG Offc	570
Eglin AFB FL	Current HSG Offc	500
Eglin Aux Fld9 FL	Current HSG Offc & Mnt Fac	880
MacDill AFB FL	Current HSG Offc	646
Mountain Home AFB ID	Current HSG Offc	844
Shaw AFB SC	Current HSG Maint Facility	715
Dyess AFB TX	Current HSG Maint Facility	580
Sheppard AFB TX	Current HSG Offc	500
Sheppard AFB TX	Current HSG Maint Facility	600
Andersen AFB GU	Current HSG Offc	1,700
NEW MISSION TTL		19,932
CURRENT MISSION TOTAL		135,023
IMPROVEMENTS		85,059
PLANNING AND DESIGN		8,989

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

NEW CONSTRUCTION

Program (In Thousands)  
FY 1996 Program \$154,955  
FY 1995 Program \$206,399

Purpose and Scope

This program provides for the construction of new homes where the local community cannot provide adequate housing and replacement of existing homes, where improvements are not economically feasible for Air Force personnel, and support facilities where existing facilities are inadequate. Cost reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for:

Construction of 176 new units, replacement of 1,027 units and 13 support facilities.

A summary of the funding program for FY 1996 is as follows:

<u>LOCATIONS</u> <u>NEW HOUSING</u>	<u>MISSION</u>	<u>NUMBER OF</u> <u>UNITS</u>	<u>REQUESTED AUTHORIZATION</u> <u>AMOUNT (\$000)</u>
Whiteman AFB MO	New	72	9,948
Pope AFB NC	New	104	9,984
<u>REPLACEMENT HOUSING</u>			
D-Monthan AFB AZ	Current	80	9,498
Little Rock AFB AR	Current	1	210
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA	Current	143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current	98	9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour-J AFB SC	Current	1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB TK	Current	150	10,146

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

SUPPORT FACILITIES

Elmendorf AFB AK	Current	Hsg Office & Maint Facility	3,000
Beale AFB CA	Current	Hsg Office	842
Vandenberg AFB CA	Current	Hsg Office	900
Peterson AFB CO	Current	Hsg Office	570
Eglin AFB FL	Current	Hsg Office	500
Hurlburt Field	Current	Hsg Office & Maint Fac	880
MacDill AFB FL	Current	Hsg Office	646
Mt Home AFB ID	Current	Hsg Office	844
Shaw AFB SC	Current	Hsg Maint Fac	715
Dyess AFB TX	Current	Hsg Maint Fac	580
Sheppard AFB TX	Current	Hsg Office	500
Sheppard AFB TX	Current	Hsg Maint Fac	600
Andersen AFB GU	Current	Hsg Office	1,700
 New Mission			19,932
Current Mission Total			135,023
Improvements			85,059
Planning & Design			8,989
Grand Total			249,003

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE HOUSING MANAGEMENT/MAINTENANCE FACILITY			
5. PROGRAM ELEMENT 08.87.41	6. CATEGORY CODE 610-119	7. PROJECT NUMBER FXSB963018	8. PROJECT COST (\$000) 3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT/MAINTENANCE FACILITY	SF	13,800	160	2,208
SUPPORTING FACILITIES				501
UTILITIES	LS			( 110)
PAVEMENTS	LS			( 110)
SITE IMPROVEMENTS	LS			( 48)
COMMUNICATIONS	LS			( 55)
ENVIRONMENTAL	LS			( 178)
SUBTOTAL				2,709
CONTINGENCY (5%)				<u>135</u>
TOTAL CONTRACT COST				2,844
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u>156</u>
TOTAL REQUEST				3,000
AREA COST FACTOR	1.73			
10. Description of Proposed Construction: Reinforced concrete structure, concrete slab foundation and roofing system. Facility includes space for housing management and maintenance functions. Includes utilities, fire suppression system, prewiring for workstations, parking, site improvements and environmental compliance.				
11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SUBSTANDARD: 14,419 SF <u>PROJECT:</u> Housing Management and Maintenance Facility. (Current Mission). <u>REQUIREMENT:</u> An adequate facility is required for managing base owned and operated family housing assets and for assisting all arriving personnel in finding on/off-base housing. The facility will contain all management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Play areas will provide a safe, secure, and attractive environment for children of customers. A housing maintenance facility is required to provide for the care and repair of family housing units owned or under control of the Air Force. The facility will contain workshops, office, supply/storage, and self help services. A larger facility is required because of the long winter season and the remoteness of Alaska which increases the storage space requirements. Typical design criteria is provided in the AF MFH Support Facilities Design Guide which suggests 11,500 SF, but provides flexibility for more space where needed. <u>CURRENT SITUATION:</u> Housing management is currently located in a WWII, condition code 3, wooden building which is expensive to heat and requires an excessive amount of maintenance. This office is one of the first stop that incoming personnel come in contact with. The facility does not leave a good first impression of the base. The maintenance facility which the				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MANAGEMENT/MAINTENANCE FACILITY	FXSB963018	

maintenance contractor was located in burnt down on 16 April 1994. As an interim measure, the contractor is operating out of an old indoor firing range which has been committed for disposal. The facility is inadequate in size to properly operate an efficient and effective maintenance operation.

IMPACT IF NOT PROVIDED: The Air Force will continue to spend an excessive amount on utilities and maintenance on a facility which has outlived its useful life. The housing maintenance function will continue to occupy a facility which is committed for disposal and inadequate for the maintenance contractor's use. Housing management and customer service personnel will continue to work in an inadequate facility which degrades the level of performance and service they are capable of providing.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project meets the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, renovate existing facilities and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. COMMAND				5. AREA CONST COST INDEX					
	AIR COMBAT COMMAND				0.96					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	831	4813	1440				10	40	400	7,534
b. End FY 2000	875	4987	1278				10	40	400	7,590
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 10,615)										
b. Inventory Total As Of: (30 SEP 94)	281,217									
c. Authorization Not Yet In Inventory:	13,750									
d. Authorization Requested In This Program:	9,498									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	304,465									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)		DESIGN STATUS			
CODE	PROJECT TITLE				START	CMPL				
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 3)			80 UN	9,498		TURN KEY			
				TOTAL:		9,498				
9a. Future Projects: Included in the Following Program (FY 1997)	NONE									
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA 10 aircrews, one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense detachment (F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Center.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 3)			
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	FBNV950011	9,498	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HOUSING (PH 3)	UN	80	71,280	5,702
SUPPORTING FACILITIES				2,872
MISCELLANEOUS SUPPORT	LS			( 127)
SITE PREPARATION	LS			( 163)
ROADS AND PAVING	LS			( 302)
UTILITIES	LS			( 326)
LANDSCAPING AND NEIGHBORHOOD IMPROVMNT	LS			( 163)
RECREATION	LS			( 144)
GARAGES AND STORAGE	LS			( 903)
DEMOLITION (82 UN, INCL ASBESTOS/LBP)	LS			( 745)
SUBTOTAL				8,574
CONTINGENCY (5%)				429
TOTAL CONTRACT COST				9,003
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				495
TOTAL REQUEST				9,498
AREA COST FACTOR	.96			

10. Description of Proposed Construction: Replace 80 housing units. Includes demolition of 82 units, replacement/upgrade of utility systems and roads, and design/construction of new single/duplex housing units. Provides normal amenities, to include appliances, parking, air conditioning, garages, patios, privacy fencing, playgrounds and recreation areas. Includes asbestos and lead-based paint removal and solar considerations.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 3BR	1200	.96	60	60	4,147,200
JNCO 4BR	1350	.96	60	20	1,555,200
				80	5,702,400

11. REQUIREMENT: 3,168 UN ADEQUATE: 2,021 UN SUBSTANDARD: 1,105 UN  
PROJECT: Replace Military Family Housing (Phase 3). (Current Mission)  
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Davis-Monthan AFB. All units will meet "whole house" standards and are programmed in accordance with Phase "A" of the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the third of multiple phases to provide adequate housing for base personnel. Of the units to be replaced in this multi-phase initiative, 134 are completed or included in prior programs. The replacement housing will provide a modern kitchen, living room, family room, and bath configuration, with ample interior and exterior storage and garages. The basic neighborhood support infrastructure will be upgraded to meet modern

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 3)	FBNV950011	
<p>housing needs. 82 units are to be replaced with 80 with units in order to provide a less dense housing area and make room for community recreational and landscaped areas.</p> <p><u>CURRENT SITUATION:</u> This project replaces appropriated housing units which were constructed in 1975. These poorly/cheaply constructed units are deteriorating rapidly. While these are the newest units on base, they are in the worst condition because of the poor quality construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment.. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living or entertaining. Some units fall short of authorized living space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses for the base shows a projected deficit of 40 units, thus adequate or affordable off-base housing is unavailable and not an option for military families. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. Improvement costs represent 76% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. This project will be executed as a Request For Proposal. This project demolishes 82 housing units and constructs 80 to permit a reduction of density.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION								
5. DATA AS OF 31 JANUARY 1992	a. NAME DAVIS-MONTAN AIR FORCE BASE				b. LOCATION TUSCON, ARIZONA				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		516	2,998	894	4,408	730	3,224	865	4,819
7. PERMANENT PARTY PERSONNEL		516	2,998	894	4,408	730	3,224	865	4,819
8. GROSS FAMILY HOUSING REQUIREMENTS		365	2,199	275	2,839	529	2,372	267	3,168
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		7	92	31	130				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		7	92	31	130				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		365	2,199	275	2,839	529	2,372	267	3,168
12. HOUSING ASSETS (a + b)		368	2,152	255	2,775	541	2,339	248	3,128
a. UNDER MILITARY CONTROL		133	1,106	0	1,239	132	1,107	0	1,239
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		133	1,106	0	1,239	132	1,107	0	1,239
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		235	1,046	255	1,536	409	1,232	248	1,889
(1) ACCEPTABLY HOUSED		225	1,001	244	1,470				
(2) ACCEPTABLE VACANT RENTAL		10	45	11	66				
13. EFFECTIVE HOUSING DEFICIT		(3)	47	20	64	(12)	33	19	40
14. PROPOSED PROJECT						0	80	0	80
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.80			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	665	3675	642				1	17	50	5,050
b. End FY 2000	704	3601	532				1	17	50	4,905
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 7,210)										
b. Inventory Total As Of: (30 SEP 94)	191,681									
c. Authorization Not Yet In Inventory:	8,050									
d. Authorization Requested In This Program:	210									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	199,941									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)		DESIGN STATUS START CMPL			
711-142	REPLACE GENERAL OFFICER HOUSING			1 UN	210		TURN KEY			
				TOTAL:		210				
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: An airlift wing with four C-130 squadrons, one of which conducts C-130 training for all DoD components and foreign countries; an Air National Guard airlift group with one C-130 squadron; and the USAF Combat Aerial Delivery School.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
LITTLE ROCK AIR FORCE BASE, ARKANSAS	REPLACE GENERAL OFFICER HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	NKAK964002	210	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST	(\$000)
REPLACE GENERAL OFFICER HOUSING	UN	1	121,968	122	
SUPPORTING FACILITIES				68	
SITE PREPARATION	LS			( 6)	
ROADS AND PAVING	LS			( 11)	
UTILITIES	LS			( 15)	
LANDSCAPING	LS			( 14)	
GARAGE	LS			( 9)	
DEMOLITION AND ASBESTOS/LBP REMOVAL	LS			( 12)	
SUBTOTAL				190	
CONTINGENCY (5%)				10	
TOTAL CONTRACT COST				200	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				11	
TOTAL REQUEST				210	

AREA COST FACTOR	.80				
10. Description of Proposed Construction: Demolition and replacement of one general officer housing unit. Includes sitework, utility systems, parking, walkways, landscaping, and two-car garage. Provides normal amenities to include appliances, air conditioning, exterior entertainment area and patio, and privacy fencing. Includes asbestos and lead-based paint removal.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
GOQ 4BR	2310	.88	60	1	121,968
				1	121,968

11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN  
PROJECT: Replace one General Officer Housing unit. (Current Mission)  
REQUIREMENT: This project is required to provide modern and efficient replacement housing for the Installation Commander at Little Rock AFB. The unit will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the Commander. The replacement house will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and a two-car garage. Exterior parking will be provided for guests and an official vehicle. Both interior and exterior living areas will be designed to provide adequate entertainment space. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. Neighborhood enhancements include landscaping of common areas.  
CURRENT SITUATION: The housing unit currently used as a General Officers

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE GENERAL OFFICER HOUSING	NKAK964002	
<p>Quarters (GOQ) was built in the mid-1950s for senior officer housing. The house does not meet GOQ space requirements, and is totally inadequate for the position and entertainment responsibilities of the Installation Commander. The kitchen configuration creates a circulation problem. Three of the four bedrooms and their closets are undersize. Bathrooms have outdated ceramic tile floors, wainscot, and vanity cabinets. Dining area is undersize. Heat pumps, water heater, and plumbing fixtures are at the end of their useful life. The garbage disposal is in poor condition. Below slab sanitary lines have deteriorated and need to be replaced. Bathroom receptacles lack ground-fault circuit interrupters, unit wiring lacks ground conductor and does not meet codes. The flat carport roof is leaking, causing the plywood deck to rot. Paint on wood fascias is peeling. Windows are energy inefficient and require replacement. Net square footage will be increased to authorized amount.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 81% of the replacement cost. (An FY95 Improvement project for this house was determined to be inappropriate and too costly as additional structural deficiencies were identified during the planning and design process.)</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION								
5. DATA AS OF 31 JANUARY 1992	a. NAME LITTLE ROCK AIR FORCE BASE				b. LOCATION JACKSONVILLE, AR				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		908	3,596	916	5,420	774	3,478	878	5,130
7. PERMANENT PARTY PERSONNEL		908	3,596	916	5,420	774	3,478	878	5,130
8. GROSS FAMILY HOUSING REQUIREMENTS		718	3,135	360	4,213	594	2,964	344	3,902
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		40	511	123	674				
a. INVOLUNTARILY SEPARATED		15	51	2	68				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		25	460	121	606				
10. VOLUNTARY SEPARATIONS		11	104	22	137	9	100	21	130
11. EFFECTIVE HOUSING REQUIREMENTS		718	3,135	360	4,213	585	2,864	323	3,772
12. HOUSING ASSETS (a + b)		686	2,571	225	3,482	562	2,424	190	3,176
a. UNDER MILITARY CONTROL		212	1,323	0	1,535	212	1,323	0	1,535
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		212	1,323	0	1,535	212	1,323	0	1,535
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		474	1,248	225	1,947	350	1,101	190	1,641
(1) ACCEPTABLY HOUSED		455	1,197	215	1,867				
(2) ACCEPTABLE VACANT RENTAL		19	51	10	80				
13. EFFECTIVE HOUSING DEFICIT		32	564	135	731	23	440	133	596
14. PROPOSED PROJECT						1			1
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE			
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 610-119	7. PROJECT NUMBER BAEY879003P2	8. PROJECT COST (\$000) 842	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550
SUPPORTING FACILITIES				210
SEWER & WATER	LS			( 42)
PAVEMENTS	LS			( 80)
LANDSCAPING	LS			( 40)
SYSTEMS FURNITURE	LS			( 48)
SUBTOTAL				760
CONTINGENCY (5%)				38
TOTAL CONTRACT COST				798
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				44
TOTAL REQUEST				842

AREA COST FACTOR 1.24

10. Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes all utilities, parking, and landscaping.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,486 SF  
PROJECT: Construct Housing Management facility. (Current Mission)  
REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The housing management office provides a vital service to accompanied and unaccompanied military members and manages 1,708 family housing units, 176 mobile home spaces, and 805 enlisted dormitory spaces.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE	BAEY879003P2	

The current office provides provides 1,920 SF of space for seven employees. This is less than 40% of the required space, and falls far short of providing minimum customer support. It is located five miles from the housing area it serves. Facility space limitations have forced four housing inspectors to locate in a separate facility 1/2 mile from the main office. The dispersed nature of personnel and housing functions complicates and delays operations and reduces effectiveness of personnel and programs. The office does not have a conference room to conduct training or meetings, nor is there a lounge area for customer use. No interior or exterior play areas are provided. The waiting area is extremely cramped and noisy due to computer printers which share the same space. The office has no private area for counseling. Restrooms are located in another part of the building which is assigned to totally different (non-housing) functions, and can only be accessed by traversing congested work areas. Customer parking is extremely limited, and is shared with the Services Squadron, Accounting and Finance, Civilian Personnel, Transportation Management, and an Airman Dining Hall. The result is a crowded parking area with little space for housing customers to park or maneuver moving trucks or vehicles with trailers. Existing housing management space will revert to Transportation and Services functions which currently occupy the majority of space in the existing facility.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get the first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Customer service will be substandard, and employee and customer morale will suffer due to the poor service environment.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA				4. COMMAND AIR FORCE				5. AREA CONST COST INDEX		
				MATERIEL COMMAND				1.38		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	671	3754	3493				27	51	862	8,858
b. End FY 2000	650	3384	3264				27	51	862	8,238
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 301,928)										
b. Inventory Total As Of: (30 SEP 94)	711,233									
c. Authorization Not Yet In Inventory:	44,650									
d. Authorization Requested In This Program:	11,350									
e. Authorization Included In Following Program: (FY 1997)	9,413									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	776,646									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)		DESIGN STATUS			
CODE	PROJECT TITLE						START	CMPL		
711-142	REPLACE FAMILY HOUSING			67 UN	11,350		TURN KEY			
				TOTAL:	11,350					
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142	REPLACE FAMILY HOUSING, PHASE 1			60 UN	9,413		TURN KEY			
				TOTAL:	9,413					
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; and Astronautics Directorate of Phillips Laboratory. Also, a landing site for the space shuttle.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
AIR FORCE	(computer generated)				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE				
EDWARDS AIR FORCE BASE, CALIFORNIA		REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	711-142	FSPM944506	11,350		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING	UN	67	102,511	6,868	
SUPPORTING FACILITIES				3,378	
SITE PREPARATION	LS			( 346)	
ROADS AND PAVING	LS			( 290)	
UTILITIES	LS			( 1,938)	
LANDSCAPING	LS			( 103)	
RECREATION	LS			( 202)	
DEMOLITION AND ENVIRONMENTAL	LS			( 498)	
SUBTOTAL				10,246	
CONTINGENCY (5%)				512	
TOTAL CONTRACT COST				10,758	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				592	
TOTAL REQUEST				11,350	
AREA COST FACTOR	1.38				
10. Description of Proposed Construction: Replace 67 Wherry JNCO units. Construct housing units with gable roofs, road/sidewalks, driveway, attached single car garage, and exterior wooden storage shed. Install evaporative coolers. Includes electrical, mechanical, structural, and architectural work. Provide irrigation system in common areas. Remove asbestos from existing units.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.38	60	10	786,600
JNCO 3BR	1200	1.38	60	34	3,378,240
JNCO 4BR	1350	1.38	60	15	1,676,700
JNCO 5BR	1550	1.38	60	8	1,026,720
				67	6,868,260
<u>11. REQUIREMENT:</u> 2,411 UN <u>ADEQUATE:</u> 944 UN <u>SUBSTANDARD:</u> 1,443 UN <u>PROJECT:</u> Replace 67 Wherry Family Housing units. (Current Mission) <u>REQUIREMENT:</u> This project is required to provide quality of life improvements and energy efficient housing units to the existing area to enhance standards of livability for the residents. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Irrigation systems in common are required to provide a usable and aesthetic environment for the neighborhood. Replacement of housing will provide a safe, comfortable living environment comparable to the off-base civilian community. <u>CURRENT SITUATION:</u> These family housing units were originally built in the 1950's. They have not received any major renovations since that time					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	FSPM944506	

period. The two bedroom units are more than 120 Net Square Feet under the authorized net floor area. The three bedroom units lack entry foyers and have at least one undersized bedroom. The harsh environment has taken its toll and the units have deteriorated beyond economical repair.

Asbestos-containing building materials contribute significantly to the extremely high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced. Plumbing and electrical systems are in such poor repair that constant maintenance is required to maintain operability. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets because the units lack driveways and garages.

IMPACT IF NOT PROVIDED: The harsh desert environment will continue to take its toll on these old and deteriorated units. Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due to environmental abatement requirements. Exterior surfaces will continue to deteriorate and huge maintenance costs will be incurred. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. The units will continue to be occupied until they become uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a projected family housing deficit of 24 units.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME EDWARDS AIR FORCE BASE			b. LOCATION LANCASTER CALIFORNIA				
5. DATA AS OF 1993									
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		876	3,666	620	6,062	766	3,196	666	4,517
7. PERMANENT PARTY PERSONNEL		876	3,666	620	6,062	766	3,196	666	4,517
8. GROSS FAMILY HOUSING REQUIREMENTS		654	2,905	176	3,753	669	2,606	160	3,226
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		92	421	46	669				
a. INVOLUNTARILY SEPARATED		1	9	9	19				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		91	412	37	640				
10. VOLUNTARY SEPARATIONS		26	112	20	167	22	100	18	140
11. EFFECTIVE HOUSING REQUIREMENTS		654	2,905	176	3,753	647	2,406	132	3,086
12. HOUSING ASSETS (a + b)		643	2,306	116	2,886	486	2,074	88	2,648
a. UNDER MILITARY CONTROL		410	1,649	30	1,989	410	1,679	0	1,989
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		410	1,649	30	1,989	410	1,679	0	1,989
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		133	767	86	976	76	495	88	659
(1) ACCEPTABLY HOUSED		126	723	80	928				
(2) ACCEPTABLE VACANT RENTAL		8	34	6	48				
13. EFFECTIVE HOUSING DEFICIT		110	499	60	788	61	332	44	437
14. PROPOSED PROJECT						0	0	67	67
15. REMARKS									

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE										
3. INSTALLATION AND LOCATION	VANDENBERG AIR FORCE BASE, CALIFORNIA			4. COMMAND	AIR FORCE			5. AREA CONST COST INDEX		
				SPACE COMMAND				1.36		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	624	2419	1242							4,285
b. End FY 2000	608	2219	1157							3,984
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 98,830)										
b. Inventory Total As Of: (30 SEP 94)	1,118,383									
c. Authorization Not Yet In Inventory:	32,528									
d. Authorization Requested In This Program:	21,100									
e. Authorization Included In Following Program: (FY 1997)	19,499									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	1,191,510									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST		DESIGN STATUS				
				(\$000)		START	CMPL			
610-119	FAMILY HOUSING MANAGEMENT OFFICE	5,200 SF	900	AUG 94	SEP 95					
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 3)	143 UN	20,200	TURN KEY						
		TOTAL:	21,100							
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142 REPLACE FAMILY HOUSING, PHASE 4										
TOTAL: 19,499										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE MILITARY FAMILY			
VANDENBERG AIR FORCE BASE, CALIFORNIA	HOUSING (PHASE 3)			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	XUMU964003	20,200	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST	(\$000)
REPLACE CAPEHART MFH, PHASE 3	UN	143	92,810	13,272	
SUPPORTING FACILITIES				4,963	
SITE PREPARATION	LS			( 287)	
ROADS AND PAVING	LS			( 482)	
UTILITIES	LS			( 1,175)	
LANDSCAPING	LS			( 456)	
RECREATION	LS			( 190)	
WALKS, PARKS, LIGHTS, TOT LOTS, FENCES	LS			( 692)	
DEMOLITION & ASBESTOS/LBP REMOVAL	LS			( 1,681)	
SUBTOTAL				18,235	
CONTINGENCY (5%)				912	
TOTAL CONTRACT COST				19,147	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,053	
TOTAL REQUEST				20,200	

AREA COST FACTOR	1.36				
10. Description of Proposed Construction: Replace 143 housing units.					
Includes demolition, site grading, replacement/upgrade of utilities & pavements, & construction of new housing units. Provides all needed amenities such as parking, garages, bulk storage, exterior patios, privacy fencing, neighborhood tot lots, recreation areas, parks, lights & trails.					
Includes demolition & disposal of asbestos and lead-based paints.					
.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.35	60	37	2,847,150
JNCO 3BR	1200	1.35	60	96	9,331,200
JNCO 4BR	1350	1.35	60	10	1,093,500
				143	13,271,850

11. REQUIREMENT: 2,023 UN ADEQUATE: 211 UN SUBSTANDARD: 2,078 UN  
PROJECT: Replace Military Family Housing (Phase 3). (Current Mission)  
REQUIREMENT: This project is required to provide modern, efficient, and safe housing for military members and their dependents stationed at Vandenberg AFB. All units are to meet "whole house" standards and are programmed in accordance with Phase 3 of the Housing Community Plan (HCP). Replacement housing will provide a living environment comparable to the off-base civilian community. Units being replaced are not surplus to the base mission. This is the third of thirteen phases to provide adequate housing for base personnel. Of the 1812 units to be replaced in this multi-phase initiative, 294 are completed or included in prior programs, and 1384 will follow in subsequent phases. New housing will have modern kitchen, family room, bedroom, bathroom, ample storage, garage, and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 3)	XUMU964003	

parking for guests. Also, basic neighborhood support infrastructure will be upgraded to modern standards. Neighborhood improvements will include landscaping, playgrounds, walks, handicap access ramps, signs, street lights, irrigation, recreation areas, fitness course and utility upgrades.

CURRENT SITUATION: These units are over 30 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed. There are no Ground Fault Interrupters (a life safety hazard). Fixtures are energy inefficient. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Overhead pipes in the attics leak, causing ceiling and property damage and irritation to occupants. Corroded sewers in and under the floor slab leak. Some roof structures are sagging. There is no family room and there is inadequate bulk storage. Kitchens have inefficient work space, poor circulation, worn out/insufficient cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and unattractive. Main and master baths are deteriorated and outdated, having shower enclosures and medicine cabinets which are corroded, discolored, and pitted. Additionally, the way the units are presently configured is inefficient. These houses have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations, and sidewalks require major repair or replacement due to the effects of age and the environment. Housing interiors are generally inadequate by any modern criteria. Unsightly utility wires and poles clutter the streetscape. There is a lack of trees on streets, lawns, and open spaces. Based on an increased requirement for 2-bedroom units, we will need to convert some of the 3-bedroom units into 2-bedroom units.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed without minimal water and electrical service. The occupants will suffer continual water leaks in their ceilings (due to leaking overhead pipes) causing damage to the ceiling, light fixtures, and furniture under the leaks. We would not be providing a living environment that promotes pride, professionalism, and individual dignity. The current Housing Market Analysis shows an on-base housing surplus of 276 units. None of the units being replaced are surplus units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity with no improvement in the living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YMMDD)				2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME VANDENBRG AIR FORCE BASE								
5. DATA AS OF 1992		b. LOCATION LOMPOC, CALIFORNIA								
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT					PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)		
6. TOTAL PERSONNEL STRENGTH	665	1,984	655	3,304	642	2,070	535	3,247		
7. PERMANENT PARTY PERSONNEL	665	1,984	655	3,304	642	2,070	535	3,247		
8. GROSS FAMILY HOUSING REQUIREMENTS	510	1,408	202	2,120	491	1,458	158	2,107		
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	5	26	10	41						
a. INVOLUNTARILY SEPARATED	1	9	9	19						
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0						
c. UNACCEPTABLE HOUSED IN COMMUNITY	4	17	1	22						
10. VOLUNTARY SEPARATIONS	4	71	6	81	4	75	5	84		
11. EFFECTIVE HOUSING REQUIREMENTS	510	1,408	202	2,120	487	1,383	153	2,023		
12. HOUSING ASSETS (a + b)	574	1,508	214	2,296	556	1,553	180	2,289		
a. UNDER MILITARY CONTROL	477	1,398	203	2,078	477	1,427	174	2,078		
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	410	1,220	182	1,812	410	1,249	153	1,812		
(2) UNDER CONTRACT/APPROVED					0	0	0	0		
(3) VACANT	67	178	21	266						
(4) INACTIVE	0	0	0	0						
b. PRIVATE HOUSING	97	110	11	218	79	126	6	211		
(1) ACCEPTABLY HOUSED	91	91	4	186						
(2) ACCEPTABLE VACANT RENTAL	6	19	7	32						
13. EFFECTIVE HOUSING DEFICIT	3	78	9	90	(69)	(170)	(27)	(266)		
14. PROPOSED PROJECT					0	0	143	143		
15. REMARKS										

DD FORM 1523, NOV 90

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
VANDENBERG AIR FORCE BASE, CALIFORNIA	FAMILY HOUSING MANAGEMENT OFFICE			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	XUMU944003	900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING MANAGEMENT FACILITY	SF	5,200	120	624
SUPPORTING FACILITIES				188
UTILITIES	LS			( 14)
SITE IMPROVEMENTS	LS			( 26)
PAVEMENTS	LS			( 61)
PREWIRED WORK STATIONS	EA	11	4,200	( 46)
DEMOLITION	SF	3,150	13	( 41)
SUBTOTAL				812
CONTINGENCY (5%)				41
TOTAL CONTRACT COST				853
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				47
TOTAL REQUEST				900

AREA COST FACTOR 1.36

10. Description of Proposed Construction: Reinforced concrete floor slab and foundation, split-faced concrete block masonry walls, steel-trussed roof system, and tile roof. The project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes utilities, parking, landscaping, and all appurtenant work for a complete facility.

11. REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 3,133 SF  
PROJECT: Family Housing Management Facility. (Current Mission)  
REQUIREMENT: An adequate facility is required to serve customers and to provide for more efficient housing management. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area with multiple telephones, a computer room and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.  
CURRENT SITUATION: Annually, this Family Housing Management Office houses or assists over 9,000 families and unaccompanied personnel living on-base and off-base. This includes service to a large number of DoD civilians as well. This housing office manages the assignment, termination, and maintenance of 2,076 family housing units and 172 mobile home spaces. Also, it manages 1164 dorm bed spaces. The existing Military Family Housing Office is in a substandard WWII-era wooden-frame structure, which was constructed in 1942 and does not meet the seismic code for earth

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FAMILY HOUSING MANAGEMENT OFFICE	XUMU944003	

quakes. This is one of the few remaining WWII-era facilities left in its area of the base. Age and the environment have taken their toll on the structure. The structure has dry rot and is termite-infested. The roof leaks and there are water stains on the ceilings. Wiring is old and does not meet electrical code. The underground utilities are original and are deteriorated. The facility is energy-inefficient, and the heating system is inadequate so that one-third of the facility is without heat. Restrooms are too small. The poor facility presents a very unfavorable impression to the thousands of customers who transit the facility each year. The present office is not large enough and is poorly configured to provide space for proper services and a proper atmosphere for both workers and customers. There is inadequate storage space. Existing space affords little privacy to families in counseling. There is no interior play area for children to use while parents are being counselled on housing opportunities and requirements. The facility will be demolished upon completion of this replacement project.

IMPACT IF NOT PROVIDED: Customers will continue to be served in a substandard, inadequate facility. Workers, as well, will continue to work in the same inadequate facility. These factors, in turn, affect morale which, in turn, affects work performance. Work performance, in turn, affects the mission. The liability of having people in a structure that does not meet seismic code will remain.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	4. PROJECT TITLE FAMILY HOUSING MGT OFFICE			
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 610-119	7. PROJECT NUMBER TDKA944004	8. PROJECT COST (\$000) 570	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING MANAGEMENT FACILITY	SF	3,250	115	374
SUPPORTING FACILITIES				140
UTILITIES	LS			( 40)
PAVEMENTS	LS			( 35)
SITE IMPROVEMENTS	LS			( 30)
LANDSCAPING	LS			( 20)
PREWIRED WORKSTATIONS	LS			( 15)
SUBTOTAL				514
CONTINGENCY (5%)				26
TOTAL CONTRACT COST				540
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				30
TOTAL REQUEST				570
AREA COST FACTOR	1.06			

10. Description of Proposed Construction: Work to include site utilities, paving, concrete walks, landscaping, concrete foundation, steel super structure, load bearing concrete block walls, masonry veneer, built-up roofing, decorative interior finishes. Project provides offices, restrooms, counseling and meeting rooms, customer waiting, computer equipment room, and interior and exterior child play areas.

Air Conditioning: 6 Tons.

11. REQUIREMENT: 3,250 SF ADEQUATE: 0 SUBSTANDARD: 1,188 SF

PROJECT: Construct new 3250 sf Family Housing Management Office at Peterson AFB. (Current mission).

REQUIREMENT: A new Family Housing Management Office to provide adequate space for managing Base family housing assets, for assisting all arriving personnel in finding adequate on or off base housing, and for managing furnishings for authorized base personnel. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room and storage space for equipment and publications, and interior play area for children of customers.

CURRENT SITUATION: The existing Family Housing Management Office occupies a portion (1188 sf) of building 1042. This is 2062 sf less than what is required for this Base function to operate properly. Expansion of this facility is not feasible because of its growing responsibility to its customers. The facility does not have adequate space to accommodate housing management functions and newly assigned unaccompanied housing and

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE FAMILY HOUSING MGT OFFICE	5. PROJECT NUMBER	TDKA944004
<p>furnishings management responsibilities. Existing space affords little privacy to families in counseling because there are no private offices for this purpose. There is no interior play area for children to use while parents are being counseled on housing opportunities and requirements. The parking, reception area and storage for this facility is substandard and well below what they need.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing operation will continue to lack adequate space and not be able to serve the Peterson Complex's military personnel with adequate housing assistance. The base has grown increasing the number of personnel (7,058) this office assists; customers will continue to be served in an extremely substandard, cramped and unprofessional environment. The housing office will not be able to provide the quality service to Peterson personnel.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190 "Facility and Planning and Design Guide".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	4. COMMAND AIR FORCE DISTRICT				5. AREA CONST COST INDEX 1.03					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
a. As of 30 SEP 94	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
b. End FY 2000	626	1618	965				1	39	217	3,466
	612	1573	915				1	39	217	3,357
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 607)									242,110	
b. Inventory Total As Of: (30 SEP 94)									11,400	
c. Authorization Not Yet In Inventory:									4,100	
d. Authorization Requested In This Program:									5,000	
e. Authorization Included In Following Program: (FY 1997)									0	
f. Planned In Next Four Program Years:									0	
g. Remaining Deficiency:									262,610	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)		DESIGN STATUS			
CODE	PROJECT TITLE						START	CMPL		
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 4)			32 UN	4,100		TURN KEY			
				TOTAL:	4,100					
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 5)			40 UN	5,000		TURN KEY			
				TOTAL:	5,000					
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Supports Air Force personnel in the National Capitol Region. Headquarters USAF functions include Chief of Chaplains, Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Support Agency; USAF Band; and USAF Honor Guard.										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE WASHINGTON DISTRICT OF COLUMBIA	4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 4)				
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER BXUR964003	8. PROJECT COST (\$000) 4,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING	UN	32	84,755	2,712	
SUPPORTING FACILITIES				989	
SITE PREPARATION	LS			( 244)	
ROADS AND PAVING	LS			( 221)	
UTILITIES	LS			( 98)	
LANDSCAPING	LS			( 70)	
RECREATION	LS			( 74)	
LBP/ASBESTOS REMOVAL AND DEMOLITION	LS			( 280)	
SUBTOTAL				3,701	
CONTINGENCY (5%)				185	
TOTAL CONTRACT COST				3,886	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				214	
TOTAL REQUEST				4,100	
AREA COST FACTOR	1.03				
10. Description of Proposed Construction: Demolish 32 Military Family Housing units and replace with 32 new units of same bedroom composition. Provide fire sprinklers in accordance with the Fire Administration Authorization Act of 1992. Provide site preparation, utility system alteration, road repair and alteration and improvements to common and recreation areas.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
JNCO 3BR	1200	1.05	60	5	378,000
JNCO 4BR	1350	1.05	60	8	680,400
SNCO 3BR	1350	1.05	60	13	1,105,650
SNCO 4BR	1450	1.05	60	6	548,100
				32	2,712,150
11. REQUIREMENT: 6,710 UN ADEQUATE: 3,815 UN SUBSTANDARD: 866 UN <u>PROJECT:</u> Replace 32 Military Family Housing units. Improve common grounds, recreation areas and streets associated with the units. (Current Mission) <u>REQUIREMENT:</u> Improve the quality of life for military members and their families assigned to this installation. Replacement of these housing units is required to support the current mission. Provide housing units that meet current Air Force minimum space, quality and energy standards. Housing neighborhoods must be aesthetically pleasing and functional, as prescribed in the Housing Community Plan (HCP). Units must be fire protected in accordance with the Fire Administration Authorization Act of 1992 and must be designed to accommodate Physically Handicapped family					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE WASHINGTON DISTRICT OF COLUMBIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 4)	BXUR964003	
<p>members.</p> <p><u>CURRENT SITUATION:</u> Housing units included in this project were constructed in 1975 under a low, constrained budget. Materials used in construction were of inferior quality, therefore, the units are suffering obsolescence and dilapidation. Existing units do not meet Air Force minimum space standards. Space deficiencies range from 100 to 200 square feet in various types of units. Floor layouts are dysfunctional, and do not allow maximum use of existing space. Family rooms are currently being used as family/secondary eating rooms. Living/dining areas are not defined. Due to limited space in the living and dining rooms the entire area is generally used as a living room. Fire safety and handicap requirements are not met in existing housing units. Doors and windows are of the original construction and do not meet current energy standards. Exterior living areas are inadequate. Due to the high density of the housing area it doesn't lend itself to privacy, therefore fencing and landscaping is required to provide privacy in the rear yards. The general appearance of the front yards is cluttered and unorganized. Carport structures are oriented in front of the housing units which blocks the view of the entrances. Also, lack of adequate outdoor storage has forced occupants to use the carports to store bikes, lawn furniture and other items, which detracts from the existing, cluttered state. Common areas are deficient of ample play yards and other amenities to serve the housing population. Due to the extensive amount of work required to correct deficiencies, modernize to contemporary standards and repair existing units, it has proven to be more cost effective to replace the units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The lack of affordable housing in the Metropolitan Washington area and the lack of housing on base has forced lower ranking members into unsuitable dwellings in the less desirable neighborhoods. Affordable, adequate housing for military members is essential to mission readiness. Failure to correct deficiencies and modernize to current standards impacts the quality of life for the occupants, government resources and inadvertently impacts the mission.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION								
	a. NAME BOLLING AIR FORCE BASE				b. LOCATION WASHINGTON D.C.				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		5,294	3,887	353	9,534	5,294	3,869	371	9,534
7. PERMANENT PARTY PERSONNEL		5,294	3,887	353	9,534	5,294	3,869	371	9,534
8. GROSS FAMILY HOUSING REQUIREMENTS		4,192	2,725	56	6,973	4,147	2,686	59	6,892
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		1,570	1,044	15	2,629				
a. INVOLUNTARILY SEPARATED		29	23	0	52				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		1,541	1,021	15	2,577				
10. VOLUNTARY SEPARATIONS		79	100	2	181	79	101	2	182
11. EFFECTIVE HOUSING REQUIREMENTS		4,192	2,725	54	6,973	4,068	2,585	57	6,710
12. HOUSING ASSETS (a + b)		2,613	1,605	40	4,258	2,563	1,750	40	4,353
a. UNDER MILITARY CONTROL		295	1,085	15	1,395	394	1,382	33	1,809
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		190	785	15	990	191	766	33	990
(2) UNDER CONTRACT/APPROVED						98	316	0	414
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		2,423	820	25	3,268	2,274	668	7	2,949
(1) ACCEPTABLY HOUSED		2,353	796	24	3,173				
(2) ACCEPTABLE VACANT RENTAL		70	24	1	95				
13. EFFECTIVE HOUSING DEFICIT		1,579	1,120	14	2,715	1,505	835	17	2,357
14. PROPOSED PROJECT						0	32	0	32
15. REMARKS									

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
EGLIN AIR FORCE BASE, FLORIDA		HOUSING MANAGEMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	FTFA944009	500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT FACILITY	SF	5,600	75	420
SUPPORTING FACILITIES				31
UTILITIES	LS			( 9)
SITE IMPROVEMENTS	LS			( 6)
PAVEMENTS	LS			( 16)
SUBTOTAL				451
CONTINGENCY (5%)				23
TOTAL CONTRACT COST				474
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				26
TOTAL REQUEST				500
AREA COST FACTOR	0.73			
10. Description of Proposed Construction: Includes tilt up masonry panels on steel frame, concrete floor slab, built-up roof, comprehensive interior design, utilities, parking and fencing. Area includes offices for counselors, inspectors, housing officer and assistant; storage and waiting/display area.				
Air Conditioning: 5 Tons.				
11. REQUIREMENT: 5,600 SF ADEQUATE: 0 SUBSTANDARD: 4,183 SF				
<u>PROJECT:</u> Family Housing Management Facility. (Current Mission)				
<u>REQUIREMENT:</u> An adequate facility is required to provide complete referral services and a full range of personal assistance to all eligible DOD personnel in locating suitable nondiscriminatory community housing. A relaxing environment is desired since this is usually the first stop for arriving travel-worn personnel and their dependents. The facility must be located for convenient access by arriving personnel and those already assigned to base housing. It must be handicap-accessible and have adequate parking for vehicles pulling and trailers and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counselling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, storage space for equipment and publications, and interior and exterior play areas for children of customers. The facility exterior requires landscaping to enhance customer appeal.				
<u>CURRENT SITUATION:</u> The family housing management office provides service to over 12,900 families and unaccompanied personnel living off-base and manages the assignment, termination, and maintenance of 2,359 family housing units. In FY93 they assisted over 3,670 personnel in finding				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MANAGEMENT FACILITY	FTFA944009	

off-base housing. The existing housing management office is a converted Wherry housing unit that was built in 1948. This facility does not provide the privacy necessary for the housing officer of the Housing Referral Office and counselors. Customers awaiting service must stand in the hallway because of lack of space. The run down condition of the building does not provide a professional atmosphere to personnel visiting the Housing Office, and degrades employee morale. Realtors, brokers, builders, apartment managers, and families arranging moves or filing complaints also use this facility. Because of the lack of space, the Housing Facilities Section has been relocated to a temporarily converted Wherry unit across the street. The average customer is in the office for 30-45 minutes and is assisted in all aspects of housing. Maintenance problems in the facility are a recurring nightmare, as the age of the facility and its mechanical and electrical systems are such that economical repairs are not possible.

IMPACT IF NOT PROVIDED: Morale of housing office employees will continue to degrade. Customers will not receive the necessary privacy when dealing with housing office personnel and will continue to be served in an extremely cramped, deteriorated, and unprofessional environment. Lack of space eliminates any possibility of establishing private counseling areas. Unusual and costly resource commitment will be necessary to keep the existing facility habitable. Major repairs or improvements are not an option because of the age and condition of the facility and extensive investment required.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide", and the Air Force Housing Support Facilities Guide.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA (HURLBURT FIELD)	4. PROJECT TITLE FAMILY HOUSING SERVICE CENTER			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	FTEV983000	880	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST (\$000)
FAMILY HOUSING SERVICE CENTER	LS			594
FAMILY HOUSING MGT CENTER (610-119)	SF	3,200	97	(310)
MAINTENANCE FACILITY (219-944)	SF	3,550	80	(284)
SUPPORTING FACILITIES				200
UTILITIES	LS			(80)
SITE IMPROVEMENTS	LS			(60)
PAVEMENTS	LS			(60)
SUBTOTAL				794
CONTINGENCY (5%)				40
TOTAL CONTRACT COST				834
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				46
TOTAL REQUEST				880
TOTAL REQUEST (ROUNDED)				880

10. Description of Proposed Construction: Provide a new family housing management center and new maintenance facility. Work includes reinforced concrete foundation and floor slab, masonry walls, and sloped roof. Includes offices, restrooms, counseling and meeting rooms, customer waiting area, computer room, and child play areas. Maintenance facility includes office space, equipment room and supply storage.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 9,471 SF ADEQUATE: 2,771 SF SUBSTANDARD: 0

PROJECT: Family Housing Management Center and Maintenance Facility.  
(Current Mission)

REQUIREMENT: Adequate facility is required for managing base owned/operated family housing and unaccompanied housing assets. Space is urgently required to assist all personnel in finding acceptable on or off base housing. Also required is a new maintenance facility to support the tremendous task of keeping all family housing units up to the highest Air Force standards. The requested size of both facilities is based upon the existing 680 family housing units. Per the new Air Force Housing Support Facilities Guide, the total of 680 family housing units authorizes small size housing office at 3215SF and small housing maintenance facility at 3532SF. This project complies with this guidance and the Housing Community Plan (HCP).

CURRENT SITUATION: The Hurlburt Housing Management Office provides a vital service to over 6,500 military personnel and manages 680 family housing units. The existing housing office shares a building with the base billeting office. The building is over-crowded with no space for children's play area or separate rooms for private discussions. The housing maintenance functions are currently located in old trailers which

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  EGLIN AUX FIELD 9, FLORIDA (HURLBURT FIELD)		
4. PROJECT TITLE  FAMILY HOUSING SERVICE CENTER	5. PROJECT NUMBER  FTEV983000	

have exceeded their life expectancy. The space is extremely limited and seriously degrades the maintenance effort.

IMPACT IF NOT PROVIDED: The housing management staff will continue to work in a substandard, inadequate, and undersized housing office. Their ability to perform their tasks for the customers will continue to be degraded and their effectiveness and efficiency as managers and customer service representatives will deteriorate. Maintenance workers and staff will continue to function from an old, deteriorating, undersized facility which adversely impacts job performance, effectiveness, and efficiency. The Air Force will continue to pay high energy, operations, and maintenance costs for these old deteriorating facilities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE		
MACDILL AIR FORCE BASE, FLORIDA	HOUSING MANAGEMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	610-119	NVZR940033	646
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
HOUSING MANAGEMENT FACILITY	SF	3,600	110 396
SUPPORTING FACILITIES			187
PAVEMENTS	LS		( 35)
UTILITIES	LS		( 75)
SITE IMPROVEMENTS	LS		( 10)
LANDSCAPING	LS		( 12)
SYSTEMS FURNITURE AND FURNISHINGS	LS		( 48)
DEMOLITION	LS		( 7)
SUBTOTAL			583
CONTINGENCY (5%)			29
TOTAL CONTRACT COST			612
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)			34
TOTAL REQUEST			646
AREA COST FACTOR	0.80		

10. Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes all utilities, parking, landscaping, and demolition.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 3,600 SF ADEQUATE: 0 SUBSTANDARD: 1,375 SF  
PROJECT: Construct Housing Management facility. (Current Mission)  
REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The existing Housing Management facility is located in a designated flood plain, and does not have adequate vertical reinforcing in the exterior walls to meet building codes. The facility is less than

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MANAGEMENT FACILITY	NVZR940033	

half the size required and cannot adequately accommodate customers. The lobby is extremely small, which forces customers to wait (stand) in the entrance way until they can be served. No space is provided for a children's play area, which greatly adds to the confused environment as children tire and become restless as their parents await service. Some files have had to be located one mile from the office due to inadequate space and in an attempt to improve customer service. Three individuals are forced to share a 100 SF office. Two other individuals share a desk, and furnishings management and GOQ management personnel are forced to work in a different building which results in inefficient communications and a poor working environment. There is no private space for counseling or receiving complaints. The housing management office provides a vital service to over 6,000 permanent party families and manages 804 family housing units. In addition, the office serves all base unaccompanied personnel and manages 1,040 dormitory rooms. The existing facility will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable and useable.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the Air Force Housing Support Facilities Guide."

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA	4. COMMAND AIR FORCE				5. AREA CONST COST INDEX 0.80					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	446	1832	1125				194	666	560	4,823
b. End FY 2000	402	1655	914				194	666	560	4,391
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 2,341)										
b. Inventory Total As Of: (30 SEP 94)	158,431									
c. Authorization Not Yet In Inventory:	7,700									
d. Authorization Requested In This Program:	7,947									
e. Authorization Included In Following Program: (FY 1997)	3,103									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	177,181									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST	DESIGN STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>				
711-142	REPLACE FAMILY HOUSING PHASE 4			70 UN	7,947	TURN KEY				
TOTAL: 7,947										
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142	REPLACE MILITARY FAMILY HSG (PHASE 7)			35 UN	3,103	TURN KEY				
TOTAL: 3,103										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: A space wing; the Air Force Technical Applications Center; and an Air Combat Command HH-60 rescue squadron and an HC-130 rescue squadron. Also, the temporary beddown location for the Air Force Reserve HH-60/HC-130 rescue squadron from Homestead AFB, FL.										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA	4. PROJECT TITLE REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER SXHT964005	8. PROJECT COST (\$000) 7,947	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HSG (PHASE 4)	UN	70	57,000	3,990
SUPPORTING FACILITIES				3,184
GARAGES	LS			( 290)
DEMOLITION/ASBESTOS/LBP REMOVAL (49UN)	LS			( 648)
ROADS AND PAVING	LS			( 358)
UTILITIES	LS			( 748)
LANDSCAPING	LS			( 580)
RECREATION	LS			( 160)
SITE PREPARATION	LS			( 400)
<b>SUBTOTAL</b>				<b>7,174</b>
CONTINGENCY (5%)				<b>359</b>
<b>TOTAL CONTRACT COST</b>				<b>7,533</b>
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<b>414</b>
<b>TOTAL REQUEST</b>				<b>7,947</b>
AREA COST FACTOR	.98			
10. Description of Proposed Construction: Replace 70 housing units. Includes the demolition of 49 units, asbestos and lead base paint removal, site clearing, replacement/upgrade of utility systems and roads. Provides 2 bedroom units with attached garages, normal amenities to include parking, air conditioning, exterior patios, recreational areas, and whole neighborhood improvements.				
UNIT TYPE <u>JREN1 2BR</u>	NET AREA <u>950</u>	PROJECT FACTOR <u>1.00</u>	\$ / NSF <u>60</u>	NO. UNITS <u>70</u> <u>70</u> <u>3,990,000</u> <u>3,990,000</u>
11. REQUIREMENT: 2,136 UN ADEQUATE: 1,991 UN SUBSTANDARD: 145 UN PROJECT: Replace Military Family Housing (Phase 4). (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Patrick AFB, Florida. All units will meet "whole house" standards and are programmed in accordance with phase 4 of the North and Central Wherry Housing Replacement phasing plan of the Housing Community Plan. The housing replacement will provide a safe, comfortable, and appealing living environment comparable to off-base civilian communities. This is the last of four replacement phases replacing 550 Wherry units to provide adequate housing to base personnel. The replacement housing will provide a modern kitchen, living/dining room, bedrooms and baths, with adequate interior and exterior storage, and a single garage. Exterior parking will be provided for a second occupant vehicle and guest. The basic neighborhood support infrastructure will be replaced to meet modern				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PATRICK AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING PHASE 4	SXHT964005	

housing needs. Neighborhood enhancements will include landscaping and recreational areas.

CURRENT SITUATION: This project replaces 70 Patrick AFB housing units that were constructed between 1952 and 1958. The existing units are one story, concrete block with flat roofs and detached garages (up to 170 feet away from housing units). The unit facades are stark and monotonous. The relationship of the garages to the units is poor, and private backyard space is poorly defined. The housing area is open, lacks any sense of human scale, and portrays a very barren and unappealing visual image. These houses are showing the effects of age, continuous heavy use, and the degradation due to the corrosive environment on Florida's coast. The built up gravel flat roofs have deteriorated to where they must be replaced. The exterior walls have developed cracks that allow water and moisture intrusion to the interiors. The infrastructure (sewer, water, electrical) have deteriorated beyond economic repair. The plumbing and heating/air conditioning systems inside the units have also deteriorated beyond economic repair. The bathrooms are small, fixtures are outdated and are energy inefficient. Bedrooms are small and lack adequate closet space. Lighting system throughout the houses are inefficient and are in need of replacement. The majority of units have asbestos in roofs, floor tiles, walls, and ceilings and lead base paint.

IMPACT IF NOT PROVIDED: Air Force members and their families would continue to be housed in unsatisfactory conditions, affecting morale and the retention of quality personnel. Some personnel will continue to occupy substandard housing while neighbors are in new replaced units. The current Housing Market Analysis shows an effective housing deficit of 8 units. Without this last phase of the project, various costly repairs will be required for these units, with no improvement in the quality of life.

ADDITIONAL: This project is the fourth phase of the North/ Central Wherry Housing Replacement program, total breakout is as follows: FY93 (New 250, Demo 190), FY94 (New 155, Demo 215), FY95 (New 75, Demo 96) and FY96 (New 70, Demo 49). Total for the four phases are 550 new units and 550 units demolished. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Project has no impact on school. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION								
	a. NAME PATRICK AIR FORCE BASE				b. LOCATION BREVARD COUNTY, FLORIDA				
5. DATA AS OF 1994	ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT			PROJECTED			
			OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)
6. TOTAL PERSONNEL STRENGTH		718	1,902	245	2,865	721	1,878	272	2,871
7. PERMANENT PARTY PERSONNEL		718	1,902	245	2,865	721	1,878	272	2,871
8. GROSS FAMILY HOUSING REQUIREMENTS		137	1,107	44	1,288	570	1,465	101	2,136
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		0	0	0	0				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	0	0	0				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		137	1,107	44	1,288	570	1,465	101	2,136
12. HOUSING ASSETS (a + b)		565	1,452	54	2,071	564	1,432	54	2,050
a. UNDER MILITARY CONTROL		139	1,363	54	1,556	139	1,363	54	1,556
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		137	1,107	44	1,288	139	1,363	54	1,556
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		2	256	10	268				
b. PRIVATE HOUSING		426	89	0	515	425	69	0	494
(1) ACCEPTABLY HOUSED		0	0	0	0				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		0	0	0	0	6	33	47	86
14. PROPOSED PROJECT						0	0	70	70
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA	4. COMMAND AIR EDUCATION AND TRAINING COMMAND				5. AREA CONST COST INDEX 0.75					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	793	3798	1010	69			31	29	103	5,833
b. End FY 2000	726	3643	930	69			31	29	103	5,531
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 28,906)									241,692	
b. Inventory Total As Of: (30 SEP 94)									2,600	
c. Authorization Not Yet In Inventory:									5,500	
d. Authorization Requested In This Program:									0	
e. Authorization Included In Following Program: (FY 1997)									9,366	
f. Planned In Next Four Program Years:									0	
g. Remaining Deficiency:									259,158	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	PROJECT TITLE			SCOPE	COST (\$000)		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>(\$000)</u>		<u>START</u>	<u>CMPL</u>		
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 2)			52 UN	5,500		TURN KEY			
				TOTAL:	5,500					
9a. Future Projects: Included in the Following Program (FY 1997)	NONE									
9b. Future Projects: Typical Planned Next Four Years:										
711-142 REPLACE FAMILY HOUSING				115 UN	9,366		TURN KEY			
10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE		
TYNDALL AIR FORCE BASE, FLORIDA	REPLACE MILITARY FAMILY HOUSING (PHASE 2)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	711-142	XLWU950100B	5,500

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING	UN	52	54,389	2,828	
SUPPORTING FACILITIES				2,137	
SITE PREPARATION	LS			( 184)	
ROADS AND PAVING	LS			( 275)	
UTILITIES	LS			(1,103)	
LANDSCAPING	LS			( 171)	
SPECIAL CONSTRUCTION FEATURES	LS			( 184)	
DEMOLITION	LS			( 220)	
SUBTOTAL				4,965	
CONTINGENCY (5%)				248	
TOTAL CONTRACT COST				5,213	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				287	
TOTAL REQUEST				5,500	

AREA COST FACTOR	.75				
10. Description of Proposed Construction: Replace 52 housing units. Includes demolition, site clearing, new utility systems and roads, and construction of housing units. Amenities include air conditioning, carports, patios/screened porches, storage buildings, privacy fencing, playgrounds, and recreation areas.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	.75	60	14	598,500
JNCO 3BR	1200	.75	60	15	810,000
JNCO 4BR	1350	.75	60	9	546,750
SNCO 3BR	1350	.75	60	9	546,750
SNCO 4BR	1450	.75	60	5	326,250
				52	2,828,250

11. REQUIREMENT: 2,044 UN ADEQUATE: 793 UN SUBSTANDARD: 1,003 UN  
PROJECT: Replace Military Family Housing (Ph 2). Construct 52 MFH units with all associated ancillary appurtenances, "Whole Community" facilities and all required engineering support facilities. (Current Mission).  
REQUIREMENT: This project is required to provide adequate Military Family Housing (MFH) to support military members and their families assigned to Tyndall AFB. This project is Phase 2 of a multi-phased program to construct 450 MFH units and demolish 337 substandard MFH units. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample storage and a single car carport. Neighborhood enhancements will

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 2)	XLWU950100B	

include landscaping, playgrounds, and recreation areas.

CURRENT SITUATION: The Wherry units to be replaced were constructed in the 1950s, and have received only routine maintenance and repair since being constructed. These houses do not meet the needs nor do they provide modern amenities for today's families. Roofs, walls, foundations, and exterior pavements require major repair or replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring materials are outdated and have evidence of asbestos. Additionally, existing Wherry Housing housing area is located within Tyndall's airfield Accident Potential Zone One (APZ I). These factors have justified the relocation of houses to be replaced.

IMPACT IF NOT PROVIDED: Major morale problems will result because people will continue to occupy substandard housing. Because adequate, affordable off-base housing is not available, houses will continue to be occupied until they become uninhabitable. Current Housing Market Analyses shows a deficit of 248 units. Without this and subsequent phases, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement to the quality of life.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Wholehouse renovation costs were found to be approximately 80% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)				2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AIR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME TYNDALL AIR FORCE BASE				b. LOCATION PANAMA CITY, FLORIDA				
5. DATA AS OF 1994		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED		
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH		886	3,052	653	4,561	769	2,844	823	4,436	
7. PERMANENT PARTY PERSONNEL		886	3,052	653	4,591	769	2,844	823	4,436	
8. GROSS FAMILY HOUSING REQUIREMENTS		504	1,632	66	2,202	445	1,517	82	2,044	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		60	252	13	325					
a. INVOLUNTARILY SEPARATED		0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY		60	252	13	325					
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIREMENTS		504	1,632	66	2,202	445	1,517	82	2,044	
12. HOUSING ASSETS (a + b)		453	1,396	54	1,903	406	1,325	65	1,796	
a. UNDER MILITARY CONTROL		137	883	28	1,048	137	904	28	1,069	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		137	883	28	1,048	137	904	28	1,069	
(2) UNDER CONTRACT/APPROVED						0	0	0	0	
(3) VACANT		0	0	0	0					
(4) INACTIVE		0	0	0	0					
b. PRIVATE HOUSING		316	513	26	855	269	421	37	727	
(1) ACCEPTABLY HOUSED		307	497	25	829					
(2) ACCEPTABLE VACANT RENTAL		9	16	1	26					
13. EFFECTIVE HOUSING DEFICIT		51	236	12	299	39	192	17	248	
14. PROPOSED PROJECT						0	14	38	52	
15. REMARKS										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA	4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.85					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	376	3199	459				1	11	33	4,079
b. End FY 2000	396	3206	356				1	11	33	4,003
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 5,931)										
b. Inventory Total As Of: (30 SEP 94)	131,831									
c. Authorization Not Yet In Inventory:	31,480									
d. Authorization Requested In This Program:	513									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	163,824									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPLE</u>			
711-142 SENIOR OFFICER HOUSING				3 UN	513	TURN KEY				
TOTAL: 513										
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: A composite wing with two F-16 squadrons, an A/OA-10 squadron, and a C-130 squadron.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MOODY AIR FORCE BASE, GEORGIA		SENIOR OFFICER HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	QSEU940140	513	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SENIOR OFFICER HOUSING	UN	3	100,496	301	
SUPPORTING FACILITIES				162	
SITE PREPARATION & LANDSCAPING	LS			( 15)	
ROADS AND PAVING	LS			( 33)	
UTILITIES	LS			( 23)	
LANDSCAPING	LS			( 35)	
GARAGES AND STORAGE	LS			( 22)	
DEMOLITION, ASBESTOS, & LBP REMOVAL	LS			( 34)	
SUBTOTAL				463	
CONTINGENCY (5%)				23	
TOTAL CONTRACT COST				486	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				27	
TOTAL REQUEST				513	
AREA COST FACTOR	.80				

10. Description of Proposed Construction: Replacement of one Senior Officer unit, one General Officer unit, and construction of one Senior Officer unit with all necessary support. Includes appliances, sitework, utility systems, roads, parking, walkways, landscaping, and garages. Demolish two existing SOQ's and six existing FGO units and associated infrastructure. Includes asbestos and lead paint removal.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
SGO 4BR	1700	.88	60	2	179,520
GOQ 4BR	2310	.88	60	1	121,968
				3	301,488

11. REQUIREMENT: 7 UN ADEQUATE: 0 SUBSTANDARD: 6 UN  
PROJECT: Senior Officer Housing. (Current Mission). Project includes construction of one General Officers Quarters.  
REQUIREMENT: This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation senior command staff. All units will meet "whole house" standards and are programmed in accordance with Phase "A" of the Housing Community Plan. The housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garages. Exterior parking will be provided for guests and official vehicles. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SENIOR OFFICER HOUSING	QSEU940140	

Neighborhood enhancements will include landscaping of common areas. The Senior Officer housing area will be relocated to comply with the Housing Community Plan.

CURRENT SITUATION: The two housing units to be replaced were built in 1954 as enlisted duplex units and do not meet current standards for senior officer housing, nor do they provide the modern efficient home layout and amenities found in off-base communities. These units have never received major improvement since their conversion to SOQs and are showing the wear and tear of years of continuous use. The units are poorly configured and the utilities, cabinets and fixtures are all dated, substandard, and in need of replacement. The houses are constructed on concrete slabs, with wood frames. Service lines were placed beneath the concrete slab making replacement and repair difficult and expensive. Electrical, plumbing, mechanical, and structural systems need major repair, or complete replacement. Electrical systems are at maximum capacity. The roof structures require complete replacement, and the insulation, heating, and air conditioning systems are energy inefficient and need to be brought up to modern standards. The units are poorly located, are dislocated from the main housing area, and are within a high noise zone (80-85 Db) near the flightline. The HCP relocates these two SOQs to a site within the main housing area with the remaining four SOQ units, and constructs one new house to satisfy an existing deficit. Three "surplus" (but not upgradable) field grade units will be demolished to make room for this project.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support senior leadership. The condition of the housing will reflect poorly to the many dignitaries frequently entertained in this housing area. As the housing continues to age, accelerated deterioration of electrical, plumbing, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. Housing occupants will continue to reside in an area which does not provide normal community ammenties, or a living environment compatible with the leadership position and entertainment responsibilities of the occupants.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is essentially a replacement project, there will be no increase in the student population or impact on the ability of local school districts to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. The cost to improve the existing housing represents 72% of the replacement cost for the same four units. This project demolishes eight housing units, replaces two, and builds one new, for a net loss of five housing units.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME MOODY AIR FORCE BASE							
5. DATA AS OF 31 JANUARY 1992		b. LOCATION VALDOSTA, GA							
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	348	2,219	509	3,076	285	2,031	566	2,882	
7. PERMANENT PARTY PERSONNEL	348	2,219	505	3,072	285	2,031	566	2,882	
8. GROSS FAMILY HOUSING REQUIREMENTS	245	1,525	141	1,911	209	1,572	173	1,954	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	12	172	20	204					
a. INVOLUNTARILY SEPARATED	0	3	0	3					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY	12	189	20	201					
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIREMENTS	245	1,525	141	1,911	209	1,572	173	1,954	
12. HOUSING ASSETS (a + b)	242	1,378	128	1,748	247	1,485	135	1,867	
a. UNDER MILITARY CONTROL	34	270	0	304	34	270	0	304	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	34	270	0	304	34	270	0	304	
(2) UNDER CONTRACT/APPROVED					0	0	0	0	
(3) VACANT	0	0	0	0					
(4) INACTIVE	0	0	0	0					
b. PRIVATE HOUSING	208	1,108	128	1,444	213	1,215	135	1,563	
(1) ACCEPTABLY HOUSED	199	1,083	121	1,403					
(2) ACCEPTABLE VACANT RENTAL	9	25	7	41					
13. EFFECTIVE HOUSING DEFICIT	3	147	13	163	(38)	87	38	87	
14. PROPOSED PROJECT					3			3	
15. REMARKS									

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		HOUSING MANAGEMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	QYZH965006	844	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550
SUPPORTING FACILITIES				212
SEWER & WATER LINES	LS			( 15)
PAVEMENTS	LS			( 90)
LANDSCAPING	LS			( 50)
DEMOLITION	LS			( 15)
SYSTEMS FURNITURE	LS			( 42)
SUBTOTAL				762
CONTINGENCY (5%)				38
TOTAL CONTRACT COST				800
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				44
TOTAL REQUEST				844
AREA COST FACTOR	1.10			

10. Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes all utilities, parking, landscaping, and demolition.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,211 SF  
 PROJECT: Construct Housing Management facility. (Current Mission)  
REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The existing wood frame facility was constructed in 1976. It is poorly configured for todays housing management requirements and is half the size required to support the assigned work force and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
<u>MOUNTAIN HOME AIR FORCE BASE, IDAHO</u>		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MANAGEMENT FACILITY	QYZH965006	
<p>accompanied and unaccompanied customers. The facility nor its restrooms are handicapped accessible or equipped. Required conference area, child play area , referral assistant area, private counselling areas, reception area, and customer areas are greatly inadequate or non-existant. The housing management office provides a vital service to over 3,500 permanent party families and manages 1,521 family housing units. In addition, the office serves all base unaccompanied personnel and manages 766 dormitory rooms. The existing facility will be demolished upon completion of the replacement structure.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Thousands of base customers will continue to be served in a facility which is half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accomodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in the existing cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS			4. COMMAND AIR MOBILITY				5. AREA CONST COST INDEX			
			COMMAND				0.99			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	602	3527	909				2	11	148	5,199
b. End FY 2000	589	3216	179				2	11	148	4,145
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,103)										
b. Inventory Total As Of: (30 SEP 94)	320,091									
c. Authorization Not Yet In Inventory:	10,550									
d. Authorization Requested In This Program:	5,193									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	335,834									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL		
711-142	REPLACE FAMILY HOUSING, PHASE 2			39 UN	5,193	TURN KEY				
TOTAL: 5,193										
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons; and an Air National Guard bomb group with a B-1 squadron.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MCCONNELL AIR FORCE BASE, KANSAS		REPLACE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	PRQE969021	5,193	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING	UN	39	81,462	3,177
SUPPORTING FACILITIES				1,511
SITE PREPARATION	LS			( 317)
ROADS AND PAVING	LS			( 172)
UTILITIES	LS			( 221)
LANDSCAPING	LS			( 75)
GARAGES/STORAGE/TORNADO SHELTERS	LS			( 514)
DEMOLITION/ASBESTOS/LBP REMOVAL	LS			( 212)
SUBTOTAL				4,688
CONTINGENCY (5%)				234
TOTAL CONTRACT COST				4,922
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				271
TOTAL REQUEST				5,193
AREA COST FACTOR	.99			

10. Description of Proposed Construction: Replace 39 housing units. Includes site preparation, utilities, roads, and landscaping. Amenities include heating, air-conditioning, floor coverings, garages, appliances, patios, and privacy fencing. Includes demolition of existing units, asbestos and lead-based paint removal.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
SNCO 3BR	1350	1.00	60	20	1,620,000
SNCO 4BR	1450	1.00	60	11	957,000
CGO 2BR	950	1.00	60	2	114,000
CGO 3BR	1350	1.00	60	6	486,000
				39	3,177,000

11. PROJECT: Replace 39 family housing units (Current Mission). REQUIREMENT: Project will provide modern and efficient housing for military members and their families assigned to McConnell AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Construction must include tornado shelters for occupant safety. This project complies with the Housing Community Plan (HCP).

CURRENT SITUATION: This project replaces Capehart housing units which are over 37 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Concrete carports pads and walks are cracking and heaving, and carport support posts are rotting. The exterior

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE REPLACE FAMILY HOUSING	5. PROJECT NUMBER PROE969021	

brick veneer is cracking due to foundation failure. Settlement has allowed termite intrusion, and extensive termite damage is evident. Bathroom plumbing and fixtures require replacement. Plumbing and electrical systems are antiquated and do not meet current safety codes or efficiency standards. Lighting systems throughout the houses are inefficient and do not meet modern needs. Off street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. The units contain asbestos and lead paint which can be a health hazard to the occupants.

IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable off-base housing is not available. The current Housing Market Analysis shows an off-base deficit of 632 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

.

.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716	
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME McCONNELL AIR FORCE BASE							
5. DATA AS OF 1990	b. LOCATION WICHITA, KANSAS							
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	418	2,082	578	3,078	378	522	1,884	2,784
7. PERMANENT PARTY PERSONNEL	418	2,082	578	3,078	378	1,884	522	2,784
8. GROSS FAMILY HOUSING REQUIREMENTS	318	1,635	196	2,149	288	1,608	191	2,087
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	15	503	91	609				
a. INVOLUNTARILY SEPARATED	0	5	2	7				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	15	498	89	602				
10. VOLUNTARY SEPARATIONS	1	26	4	31	1	25	4	30
11. EFFECTIVE HOUSING REQUIREMENTS	318	1,635	196	2,149	287	1,583	187	2,057
12. HOUSING ASSETS (a + b)	308	1,131	103	1,542	272	1,069	84	1,425
a. UNDER MILITARY CONTROL	96	391	0	487	96	493	0	589
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	95	384	0	479	96	493	0	589
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	1	7	0	8				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	212	740	103	1,055	176	576	84	836
(1) ACCEPTABLY HOUSED	207	722	101	1,030				
(2) ACCEPTABLE VACANT RENTAL	5	18	2	25				
13. EFFECTIVE HOUSING DEFICIT	11	511	93	615	15	514	103	632
14. PROPOSED PROJECT					8	31		39
15. REMARKS								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA	4. COMMAND				5. AREA CONST COST INDEX					
	AIR COMBAT COMMAND				0.84					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	934	4925	1267		132	1	3	5	15	7,282
b. End FY 2000	916	4852	1068		132	1	3	5	15	6,992
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 22,382)										
b. Inventory Total As Of: (30 SEP 94)	236,084									
c. Authorization Not Yet In Inventory:	50,680									
d. Authorization Requested In This Program:	10,299									
e. Authorization Included In Following Program: (FY 1997)	10,092									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	307,155									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)	DESIGN STATUS				
CODE	PROJECT TITLE					START	CMPL			
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 3)			62 UN	10,299	TURN KEY				
TOTAL:					10,299					
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 4)			108 UN	10,092	TURN KEY				
TOTAL:					10,092					
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Headquarters Eighth Air Force; a flying wing with three B-52 squadrons, one of which is responsible for training B-52 aircrews; and an Air Force Reserve wing with an A/OA-10 and B-52 squadron.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
BARKSDALE AIR FORCE BASE, LOUISIANA	REPLACE MILITARY FAMILY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	AWUB967001	10,299	

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST	(\$000)
REPLACE MILITARY FAMILY HOUSING-PH-3	UN	62	54,418	3,374	
SUPPORTING FACILITIES				5,923	
MISCELLANEOUS SUPPORT	LS			( 226)	
SITE PREPARATION	LS			( 301)	
ROADS AND PAVING	LS			( 207)	
UTILITIES	LS			( 307)	
LANDSCAPING	LS			( 160)	
RECREATION	LS			( 140)	
UTILITY RELOCATIONS TO THE SITE	LS			( 4,187)	
GARAGES AND STORAGE	LS			( 395)	
SUBTOTAL				9,297	
CONTINGENCY (5%)				465	
TOTAL CONTRACT COST				9,762	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				537	
TOTAL REQUEST				10,299	

AREA COST FACTOR .86

10. Description of Proposed Construction: Design and construct 31 duplex Family Housing units with all necessary supporting facilities. Includes: site development, utilities, roads and parking, sidewalks and street lighting, garages with storage, patios, privacy fencing, air conditioning, appliances, exterior storage, recreation and play areas, tot lots, neighborhood improvements, landscaping, and all other necessary support.

UNIT TYPE	NET	PROJECT	\$/	NO.	TOTAL COST
	AREA	FACTOR	NSF	UNITS	
JNCO 2BR	950	.88	60	42	2,106,720
JNCO 3BR	1200	.88	60	20	1,267,200
				62	3,373,920

11. REQUIREMENT: 3,671 UN ADEQUATE: 1,960 UN SUBSTANDARD: 427 UN  
PROJECT: Replace Military Family Housing (Phase 3). (Current Mission)  
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Barksdale AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the third of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure will be constructed to meet modern housing needs. Neighborhood enhancements will include landscaping,

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 3)	5. PROJECT NUMBER AWUB967001	

playgrounds, and recreation areas.

CURRENT SITUATION: This initiative replaces housing units to partially satisfy a housing deficit created by the prior demolition (1989) of over 600 units declared uninhabitable due to condition. The result is a severe shortage of housing on the base. According to the most recent Housing Market Analysis, a substantial number of families are unsuitably housed in off-base accommodations. Investigations determined that these families either live in housing below DoD standards, or in housing meeting DoD standards BUT exceeding their maximum housing allowance. With construction of 200 units in the FY94 and 95 programs, the base has a remaining deficit of 1286 units.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending assignment to base units. The base will continue to have a severe shortage of on-base housing which forces families to live elsewhere. The impact is major morale and/or financial problems for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. Since this is essentially replacement housing, and these families are already located in the community, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. The local school authority concurs that no additional school construction will be required. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 4 in the FY97 program.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AIR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME BARKSDALE AIR FORCE BASE								
5. DATA AS OF 31 JANUARY 1992		b. LOCATION SHREVEPORT, LOUISIANA								
ANALYSIS OF REQUIREMENTS AND ASSETS			CURRENT				PROJECTED			
			OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH			1,036	3,670	1,006	5,712	893	3,330	1,328	5,551
7. PERMANENT PARTY PERSONNEL			1,036	3,670	1,006	5,712	893	3,330	1,328	5,551
8. GROSS FAMILY HOUSING REQUIREMENTS			819	3,502	381	4,642	703	2,659	459	3,821
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)			138	1,002	171	1,311				
a. INVOLUNTARILY SEPARATED			4	4	5	13				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED			0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY			134	998	166	1,298				
10. VOLUNTARY SEPARATIONS			8	132	16	156	8	120	22	150
11. EFFECTIVE HOUSING REQUIREMENTS			819	3,502	381	4,642	695	2,539	437	3,671
12. HOUSING ASSETS (a + b)			684	1,836	171	2,691	578	1,433	174	2,185
a. UNDER MILITARY CONTROL			197	316	0	429	105	324	0	429
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED			197	316	0	429	105	324	0	429
(2) UNDER CONTRACT/APPROVED							0	0	0	0
(3) VACANT			0	0	0	0				
(4) INACTIVE			0	0	0	0				
b. PRIVATE HOUSING			487	1,520	171	2,178	473	1,109	174	1,756
(1) ACCEPTABLY HOUSED			476	1,485	166	2,127				
(2) ACCEPTABLE VACANT RENTAL			11	35	5	51				
13. EFFECTIVE HOUSING DEFICIT			135	1,099	182	1,416	117	1,106	263	1,486
14. PROPOSED PROJECT							0	62	0	62
15. REMARKS										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI	4. COMMAND AIR EDUCATION				5. AREA CONST COST INDEX					
AND TRAINING COMMAND								0.84		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	964	3874	2280	594	2162		7	347	97	10,325
b. End FY 2000	991	3900	2152	558	2613		7	347	97	10,665
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 3,546)	280,071									
b. Inventory Total As Of: (30 SEP 94)	18,100									
c. Authorization Not Yet In Inventory:	9,300									
d. Authorization Requested In This Program:	6,500									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:										
h. Grand Total:	313,971									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)	DESIGN		STATUS		
CODE	PROJECT TITLE					START	CMPL			
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 1)			98 UN	9,300	TURN KEY				
					TOTAL:				9,300	
9a. Future Projects: Included in the Following Program (FY 1997)										
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 2)			76 UN	6,500	TURN KEY				
					TOTAL:				6,500	
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation squadron; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 1)			
KEESLER AIR FORCE BASE, MISSISSIPPI				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	MAHG964001	9,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING	UN	98	49,020	4,804
SUPPORTING FACILITIES				3,591
UTILITIES/EMCS/COMM	LS			( 497)
SITE IMPROVEMENTS	LS			( 549)
PAVEMENTS	LS			( 591)
DEMOLITION	LS			( 687)
LANDSCAPING	LS			( 356)
RECREATION	LS			( 536)
NEIGHBORHOOD IMPROVEMENTS	LS			( 375)
SUBTOTAL				8,395
CONTINGENCY (5%)				420
TOTAL CONTRACT COST				8,815
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				485
TOTAL REQUEST				9,300
AREA COST FACTOR	.84			

10. Description of Proposed Construction: Replace 98 housing units. Work includes all site work, utility & sewage systems, pavements to include off-street parking, walks, and required street improvements, comm support, ancillary appurtenances such as signage, screens & walls, and community facilities such as commons, parks, ballfields, and play areas. Includes demolition, asbestos and lead-based paint removal.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	.86	60	98	4,803,960
				98	4,803,960

11. REQUIREMENT: 5,259 UN ADEQUATE: 2,840 UN SUBSTANDARD: 1,613 UN
PROJECT: Replace Military Family Housing (Ph 1). Replace 98 MFH units with all associated ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission).
REQUIREMENT: This work is required to replace aged housing which is inefficiently designed, inadequately appointed, improperly sited, obsolete in its configuration and engineering systems, and generally not useful. All units will meet "whole house" and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample storage and a single car garage. Neighborhood enhancements will include landscaping, playgrounds, and park areas.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 1)	5. PROJECT NUMBER MAHG964001	
<p><u>CURRENT SITUATION:</u> The existing units are unable to adequately meet contemporary Air Force design standards in their current configuration and condition. They are similarly unable to support efficient continued use if a major upgrade project is not implemented due to their numerous deficiencies, many of which simply cannot be overcome with improvements to existing facilities. Roofs, walls, and foundations require replacement. Plumbing and electrical systems are antiquated and do not meet current standards for safety or efficiency. All rooms are small and do not have necessary storage, cabinets, and fixtures. Heating and air conditioning systems require replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate housing will not be provided consistent with the requirements of the "Whole House, Whole Community" initiative for the design and construction of housing and support facilities in the housing vicinity. Major morale problems will result if this replacement initiative is not supported. People will continue to occupy substandard housing. The current Housing Market analysis shows a projected deficit of 806 units. Affordable off-base housing is not available.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project is consistent with Keesler's Military Family Housing Community Development Plan and is the first phase of a multi-phased initiative to replace 34 units in Shadowlawn and 136 units in South Harrison Court. Phase 2 is programmed for FY 97. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME KEESLER AIR FORCE BASE			b. LOCATION BILOXI, MISSISSIPPI				
5. DATA AS OF 1993		ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT			PROJECTED		
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		1,268	3,929	2,430	7,627	1,373	4,593	3,209	9,175
7. PERMANENT PARTY PERSONNEL		1,268	3,929	2,430	7,627	1,373	4,593	3,209	9,175
8. GROSS FAMILY HOUSING REQUIREMENTS		940	3,215	372	4,527	1,018	3,758	483	5,259
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		187	581	65	833				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		187	581	65	833				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		940	3,215	372	4,527	1,018	3,758	483	5,259
12. HOUSING ASSETS (a + b)		869	3,105	355	4,329	851	3,121	481	4,453
a. UNDER MILITARY CONTROL		287	1,470	196	1,953	287	1,470	196	1,953
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		287	1,470	196	1,953	287	1,470	196	1,953
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		582	1,635	159	2,376	564	1,651	285	2,500
(1) ACCEPTABLY HOUSED		466	1,164	111	1,741				
(2) ACCEPTABLE VACANT RENTAL		116	471	48	635				
13. EFFECTIVE HOUSING DEFICIT		71	110	17	198	167	637	2	806
14. PROPOSED PROJECT						0	98	0	98
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.05			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED				
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		442	3002	671				9	33	168	4,325
b. End FY 2000		306	2495	587				29	33	168	3,618
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 4,958) 562,244 b. Inventory Total As Of: (30 SEP 94) 118,028 c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: 9,948 e. Authorization Included In Following Program: (FY 1997) 9,451 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 699,671											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
711-142		CONSTRUCT MILITARY FAMILY HOUSING (PH 1)/LAND ACQUISIT'N			72 UN	9,948	TURN KEY				
					TOTAL:	9,948					
9a. Future Projects: Included in the Following Program (FY 1997)											
711-142		CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)			76 UN	9,451	TURN KEY				
					TOTAL:	9,451					
9b. Future Projects: Typical Planned Next Four Years:											
10. Mission or Major Functions: A bomb wing with one squadron of B-2 aircraft; an Air Force Space Command missile wing consisting of one Minuteman II intercontinental ballistic missile squadron (scheduled to inactive by FY 96/1) with HH-1 aircraft; and an Air Force Reserve fighter wing with one A/AO-10 squadron.											

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE CONSTRUCT MILITARY FAMILY HOUSING (PH 1)/LAND ACQUISIT'N			
WHITEMAN AIR FORCE BASE, MISSOURI				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	YWHG969400	9,948	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOUSING (PH 1)/LAND	UN	72	72,787	5,241
SUPPORTING FACILITIES				3,740
MISCELLANEOUS SUPPORT	LS			( 205)
GARAGES AND STORAGE	LS			( 477)
SITE PREPARATION	LS			( 395)
ROADS AND PAVING	LS			( 692)
UTILITIES	LS			( 580)
LANDSCAPING	LS			( 250)
RECREATION	LS			( 181)
BASEMENTS	LS			( 410)
LAND ACQUISITION	LS			( 550)
SUBTOTAL				8,981
CONTINGENCY (5%)				449
TOTAL CONTRACT COST				9,430
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				519
TOTAL REQUEST				9,948
AREA COST FACTOR	1.05			

10. Description of Proposed Construction: Design and construct 72 single or duplex family housing units with all necessary support. Includes: land acquisition, site development, utilities, roads, parking, sidewalks, street lighting, garages, storage, patios, privacy fencing, air conditioning, appliances, recreation and play areas, tot lots, neighborhood improvements, landscaping, and all other necessary support.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.06	60	38	2,295,960
JNCO 3BR	1350	1.06	60	30	2,575,800
JNCO 4BR	1450	1.06	60	4	368,880
				72	5,240,640

11. REQUIREMENT: 3,347 UN ADEQUATE: 1,757 UN SUBSTANDARD: 991 UN  
PROJECT: Construct Military Family Housing (Phase 1) and acquire required land for development. (New Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Whiteman AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the first of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE  CONSTRUCT MILITARY FAMILY HOUSING (PH 1)/LAND ACQUISIT'N	5. PROJECT NUMBER  YWHG969400	
<p>will be constructed to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Land acquisition (149 acres) is required for construction of the new housing area, and is sited directly adjacent to the existing housing area, and is an unencumbered, privately owned land parcel.</p> <p><u>CURRENT SITUATION:</u> The rural community surrounding Whiteman AFB does not have sufficient, adequate housing assets to support existing requirements. The latest Housing Market indicates a deficit of 599 housing units. The deficit is significant for Junior NCO grades. These are the families who can least afford to live off-base. Off-base housing is very difficult to find, and expensive. No land is available within current base boundaries to support construction of additional homes.</p> <p><u>IMPACT IF NOT PROVIDED:</u> There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending assignment to base units. The base will continue to have a severe shortage of on-base housing which forces families to live elsewhere. The impact is major morale and/or financial problems for the affected families.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will be included as an option for accomplishment of Phase 2 in the FY97 program.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AIR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME WHITEMAN AIR FORCE BASE			b. LOCATION KNOB NOSTER, MISSOURI				
5. DATA AS OF 1992									
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	462	1,948	582	2,992	641	3,509	1,048	5,198	
7. PERMANENT PARTY PERSONNEL	462	1,948	582	2,992	641	3,509	1,048	5,198	
8. GROSS FAMILY HOUSING REQUIREMENTS	141	929	32	1,102	398	2,647	302	3,347	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	12	80	32	124					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY	12	80	32	124					
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIREMENTS	141	929	32	1,102	398	2,647	302	3,347	
12. HOUSING ASSETS (a + b)	275	1,389	135	1,799	379	2,165	204	2,748	
a. UNDER MILITARY CONTROL	129	849	0	978	132	859	0	991	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	129	849	0	978	132	859	0	991	
(2) UNDER CONTRACT/APPROVED					0	0	0	0	
(3) VACANT	0	0	0	0					
(4) INACTIVE	0	0	0	0					
b. PRIVATE HOUSING	146	540	135	821	247	1,306	204	1,757	
(1) ACCEPTABLY HOUSED									
(2) ACCEPTABLE VACANT RENTAL									
13. EFFECTIVE HOUSING DEFICIT	12	80	32	124	19	482	98	599	
14. PROPOSED PROJECT					0	72	0	72	
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA				4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.11			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED				
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		891	6317	1064				8	27	254	8,561
b. End FY 2000		775	5391	838				8	27	254	7,293
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 24,419) 375,963 b. Inventory Total As Of: (30 SEP 94) 11,480 c. Authorization Not Yet In Inventory: 1,357 d. Authorization Requested In This Program: 0 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 388,800											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY CODE		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
711-142		REPLACE SENIOR OFFICER HOUSING			6 UN	1,357	TURN KEY				
					TOTAL:		1,357				
9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Air Warfare Center; a flying wing that includes the Weapons School (A-10, F-15, F-15E, and F-16 aircraft), a fighter squadron, an adversary threat group (Red Flag), a test squadron (F-4G, F-15 and F-16 aircraft), the USAF Air Demonstration Squadron (Thunderbirds), and a HH-60 rescue squadron; Air Force Combat Rescue School; a joint training unit (Air Warrior); a RED HORSE Squadron; and an Air Force Materiel Command Munitions Squadron.											

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		4. PROJECT TITLE REPLACE SENIOR OFFICER HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	711-142	RKMF964002	1,357		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE SENIOR OFFICER HOUSING	UN	6	131,157	787	
SUPPORTING FACILITIES				438	
SITE PREPARATION	LS			( 46)	
ROADS AND PAVING	LS			( 89)	
UTILITIES	LS			( 75)	
LANDSCAPING	LS			( 48)	
GARAGES & STORAGE	LS			( 90)	
DEMOLITION, ASBESTOS & LBP REMOVAL	LS			( 90)	
SUBTOTAL				1,225	
CONTINGENCY (5%)				61	
TOTAL CONTRACT COST				1,286	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				71	
TOTAL REQUEST				1,357	
AREA COST FACTOR	1.11				
10. Description of Proposed Construction: Replace 6 housing units. Includes asbestos and lead-based paint removal, demolition, site clearing, replacement and upgrade of utility systems and roads, and construction of new single family units. Provides normal amenities to include appliances, garages, parking, air conditioning, exterior patios and privacy fencing, and landscaping.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
SGO 4BR	1700	1.17	60	4	477,360
GOQ 4BR	2100	1.17	60	1	147,420
GOQ 4BR	2310	1.17	60	1	162,162
				6	786,942
11. REQUIREMENT: 19 UN ADEQUATE: 13 UN SUBSTANDARD: 6 UN <u>PROJECT:</u> Replace senior officer housing. Project includes replacement of two general officer quarters. (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Nellis AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Replacement housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garages. Exterior parking will be provided for a guests and an official vehicle. The basic neighborhood support					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE SENIOR OFFICER HOUSING	RKMF964002	
<p>infrastructure will be upgraded to meet modern housing needs.</p> <p>Neighborhood enhancements will include landscaping of common areas.</p> <p><u>CURRENT SITUATION:</u> This project replaces five housing units which were constructed in 1957 and one constructed in 1968. These houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. The existing built-up roofing systems do not meet current roofing standards, degrade the overall appearance of the houses, have numerous leaks which have made already inadequate (by today's standards) insulation even less effective.</p> <p>Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy-inefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the houses is outdated and contains evidence of asbestos.</p> <p>Plumbing and electrical systems are outdated and do not meet modern building codes. There is no Ground Fault Interrupter Circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. The houses do not contain garage space to protect automobiles from adverse weather.</p> <p>Heating and air conditioning systems require replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. The housing will continue to be occupied until it becomes totally uninhabitable. Generals and senior officers, who because of their responsibilities have been designated as critical for on-base housing, will be forced to move off-base diminishing their ability to perform their duties. Without this initiative, costly peacemeal repairs will continue out of necessity, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective approach to fix the units.</p> <p>However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected. Improvement costs represent 94% of the replacement value. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&LAR 1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME NELLIS AIR FORCE BASE			b. LOCATION LAS VEGAS, NEVADA					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		1,070	6,068	1,752	8,890	837	3,933	1,306	6,076
7. PERMANENT PARTY PERSONNEL		1,070	6,068	1,752	8,890	837	3,933	1,306	6,076
8. GROSS FAMILY HOUSING REQUIREMENTS		769	4,271	555	5,595	600	2,778	410	3,788
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		19	142	104	265				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		19	142	104	265				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		769	4,271	555	5,595	600	2,778	410	3,788
12. HOUSING ASSETS (a + b)		775	4,238	467	5,480	605	2,763	347	3,715
a. UNDER MILITARY CONTROL		92	1,280	36	1,408	105	1,279	37	1,421
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		92	1,280	36	1,408	105	1,279	37	1,421
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		683	2,958	431	4,072	500	1,484	310	2,294
(1) ACCEPTABLY HOUSED		658	2,849	415	3,922				
(2) ACCEPTABLE VACANT RENTAL		25	109	16	150				
13. EFFECTIVE HOUSING DEFICIT		(6)	33	88	115	(5)	15	63	73
14. PROPOSED PROJECT						6			6
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.06					
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED					
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		536	4025	1048	181	150	12	7	8	61	6,028
b. End FY 2000		483	4090	1048	6	34	2	26	239	397	6,325
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 58,565) 337,786 b. Inventory Total As Of: (30 SEP 94) 22,520 c. Authorization Not Yet In Inventory: 225 d. Authorization Requested In This Program: 0 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 360,531											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
711-142		REPLACE GENERAL OFFICER HOUSING			1 UN	225	TURN KEY				
TOTAL: 225											
9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years:											
10. Mission or Major Functions: A fighter wing with three F-117 squadrons one of which is responsible for training all F-117 aircrews, a rescue squadron (HH-60 helicopters) and a German Air Force fighter training squadron (F-4 aircraft); a mobility support squadron (maintains the Harvest Bare kit); and an Air Force Materiel Command test group.											

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE		
HOLLOMAN AIR FORCE BASE, NEW MEXICO	REPLACE GENERAL OFFICER HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	711-142	KWRD953009	225

9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST	(\$000)
REPLACE GENERAL OFFICER HOUSING	UN	1	162,162	162	
SUPPORTING FACILITIES				41	
SITE PREPARATION	LS			( 5)	
ROADS AND PAVING	LS			( 6)	
UTILITIES	LS			( 5)	
LANDSCAPING	LS			( 8)	
GARAGE	LS			( 8)	
DEMOLITION, ASBESTOS, & LBP REMOVAL	LS			( 9)	
SUBTOTAL				203	
CONTINGENCY (5%)				10	
TOTAL CONTRACT COST				213	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				12	
TOTAL REQUEST				225	

AREA COST FACTOR	1.06
10. Description of Proposed Construction: Replacement of one General Officer housing unit with all necessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal.	

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
GOQ 4BR	2310	1.17	60	1	162,162

11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN <u>PROJECT:</u> General Officer Housing. (Current Mission). <u>REQUIREMENT:</u> This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the Wing Commander at Holloman AFB. This unit will meet "whole house" standards and is programmed in accordance with Phase "A" of the Housing Community Plan. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garage. Exterior parking will be provided for guests and an official vehicle. Neighborhood enhancements will include landscaping of common areas. <u>CURRENT SITUATION:</u> The existing unit was constructed in 1959 and has received no major renovation since original construction. The kitchen cabinets, carpet, walls, and ceilings are worn and in need of replacement.
--

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE REPLACE GENERAL OFFICER HOUSING	5. PROJECT NUMBER KWRD953009	
<p>The size of the house is well below the authorized and required floor area for an Installation Commander's housing unit. The kitchen and dining areas are very small. The plumbing and electrical systems are antiquated and do not meet current standards for efficiency and safety. Electrical circuits do not meet National Electrical Code Standards. The heating and air conditioning systems require upgrade or replacement. The existing down-draft air handling system is outdated, inefficient, and difficult to keep in operation. Ceilings and exterior walls lack adequate insulation. Existing windows are single pane and not energy efficient. Floors are old, worn, and in need of replacement. Many lighting and plumbing fixtures are in need of replacement. Bedrooms are small and lack adequate closet space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected. Improvement costs represent 86% of the replacement value. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION b. NAME		5. DATA AS OF 31 JANUARY 1992			b. LOCATION ALAMOGORDO, NEW MEXICO			
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		234	1,987	1,162	3,383	255	2,147	1,264	3,666
7. PERMANENT PARTY PERSONNEL		234	1,987	1,162	3,383	255	2,147	1,264	3,666
8. GROSS FAMILY HOUSING REQUIREMENTS		139	1,225	0	1,364	194	1,632	225	2,051
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		0	0	0	0				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	0	0	0				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		139	1,225	0	1,364	194	1,632	225	2,051
12. HOUSING ASSETS (a + b)					2,210				2,277
a. UNDER MILITARY CONTROL		139	1,225	0	1,364	157	1,277	0	1,434
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		139	1,225	0	1,364	157	1,277	0	1,434
(2) UNDER CONTRACT/APPROVED						0	0	0	
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING					846				843
(1) ACCEPTABLY HOUSED									
(2) ACCEPTABLE VACANT RENTAL									
13. EFFECTIVE HOUSING DEFICIT		0	0	0	0	(12)	38	(252)	(226)
14. PROPOSED PROJECT						1			1
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO			4. COMMAND AIR FORCE				5. AREA CONST COST INDEX	
			MATERIEL COMMAND				1.02	
6. PERSONNEL STRENGTH		PERMANENT	STUDENTS	SUPPORTED				
		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		1358	2937	2588		18	135	151 914 10,101
b. End FY 2000		1375	3014	2586		18	135	151 914 10,193
7. INVENTORY DATA (\$000)								
a. Total Acreage: ( 44,025) b. Inventory Total As Of: (30 SEP 94) 447,941 c. Authorization Not Yet In Inventory: 18,700 d. Authorization Requested In This Program: 11,000 e. Authorization Included In Following Program: (FY 1997) 6,339 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 483,980								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996								
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS	
CODE							START	CMPL
711-142		REPLACE FAMILY HOUSING, PHASE 2			105 UN	11,000	TURN KEY	
					TOTAL:	11,000		
9a. Future Projects: Included in the Following Program (FY 1997)								
711-142		REPLACE FAMILY HOUSING, PHASE 3			60 UN	6,339	TURN KEY	
					TOTAL:	6,339		
9b. Future Projects: Typical Planned Next Four Years:								
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command special operations wing with three flying training squadrons operating MH-53, TH-53, UH-1, MH-60, MC-130 and HC 130 aircraft; an air base wing; Air Force Security Police Agency; and an Air National Guard fighter group with one F-16 squadron.								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE REPLACE FAMILY HOUSING, PHASE 2			
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER MHMV964001	8. PROJECT COST (\$000) 11,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING	UN	105	69,914	7,341
SUPPORTING FACILITIES				2,590
SITE PREPARATION	LS			( 440)
DEMOLITION AND ENVIRONMENTAL	LS			( 2,150)
SUBTOTAL				9,931
CONTINGENCY (5%)				497
TOTAL CONTRACT COST				10,428
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				574
TOTAL REQUEST				11,000
AREA COST FACTOR 1.02				
10. Description of Proposed Construction: Replace 105 CGO family housing units. Includes demolition of existing housing, asbestos and lead-based paint removal, and construction of replacement units with associated single car garages. Provides patios with privacy fences, storage areas, and trash can enclosures. Site preparation support includes utility repair, landscaping, community development, and street repair.				
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS TOTAL COST
CGO 2BR	950	1.00	60	52 2,964,000
CGO 3BR	1350	1.00	60	39 3,159,000
CGO 4BR	<u>1450</u>	1.00	<u>60</u>	<u>14</u> <u>1,218,000</u>
				105 7,341,000
11. REQUIREMENT: 2,978 UN ADEQUATE: 1,085 UN SUBSTANDARD: 1,736 UN <u>PROJECT:</u> Replace 105 CGO family housing units, Phase 2. (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents. All units will meet "whole house" standards and are programmed in accordance with Phase D of the Housing Community Plan. Replacement housing will provide a safe, appealing living environment comparable to that found in the civilian community. This is the second of multiple phases to provide adequate housing for base personnel. Of the 272 units to be replaced in this multi-phase initiative, 104 are completed or included in prior programs, and 63 will follow in subsequent phases. <u>CURRENT SITUATION:</u> These units were constructed in 1949 and have received only routine maintenance and repair since construction. These units are				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE REPLACE FAMILY HOUSING, PHASE 2	5. PROJECT NUMBER MHMV964001	
<p>undersized, energy inefficient, and would require a complete floor plan change to meet modern day standards. The fixtures in the bathrooms and kitchens are no longer repairable and must be replaced. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The neighborhood is too dense, leaving precious little privacy for families. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these company grade officer members and their families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy inadequate housing while neighbors and friends are in new, replaced units. Asbestos and lead-based paint will remain in the units, possibly exposing people to a known dangerous substance. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a family housing deficit of 147 units. Operations and maintenance of the existing units will continue at a costly rate due to deterioration of building systems and inadequate energy conservation design.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)		2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION B. NAME				b. LOCATION ALBUQUERQUE, NEW MEXICO			
5. DATA AS OF 1993	KIRTLAND AIR FORCE BASE							
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,186	2,588	588	4,362	1,327	2,289	520	4,136
7. PERMANENT PARTY PERSONNEL	1,186	2,588	588	4,362	1,327	2,289	520	4,136
8. GROSS FAMILY HOUSING REQUIREMENTS	962	2,041	185	3,188	1,071	1,794	162	3,027
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	151	125	8	284				
a. INVOLUNTARILY SEPARATED	5	14	1	20				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	146	111	7	264				
10. VOLUNTARY SEPARATIONS	4	46	4	54	6	40	3	49
11. EFFECTIVE HOUSING REQUIREMENTS	962	2,041	185	3,188	1,065	1,754	159	2,978
12. HOUSING ASSETS (a + b)	870	1,906	176	2,952	970	1,702	159	2,831
a. UNDER MILITARY CONTROL	354	1,610	157	2,121	354	1,610	157	2,121
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	354	1,610	157	2,121	354	1,610	157	2,121
(2) UNDER CONTRACT/APPROVED					0	0	0	
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	516	296	19	831	616	92	2	710
(1) ACCEPTABLY HOUSED	453	260	16	729				
(2) ACCEPTABLE VACANT RENTAL	63	36	3	102				
13. EFFECTIVE HOUSING DEFICIT	92	135	9	236	95	52	0	147
14. PROPOSED PROJECT					105			105
15. REMARKS								

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA			4. COMMAND AIR COMBAT COMMAND				5. AREA CONST COST INDEX 0.86			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS		SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	552	3801	375						71	4,799
b. End FY 2000	550	3779	265						71	4,665
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 1,913)										
b. Inventory Total As Of: (30 SEP 94)	112,804									
c. Authorization Not Yet In Inventory:	37,610									
d. Authorization Requested In This Program:	9,984									
e. Authorization Included In Following Program: (FY 1997)	0									
f. Planned In Next Four Program Years:	0									
g. Remaining Deficiency:	0									
h. Grand Total:	160,398									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)	DESIGN STATUS				
CODE	PROJECT TITLE					START	CMPL			
711-142	CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)			104 UN	9,984	TURN KEY				
TOTAL: 9,984										
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: A composite wing which includes one F-16 squadron, one A/OA-10 squadron, and two C-130 squadrons; and Headquarters Joint Special Operations Command.										

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA	4. PROJECT TITLE CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)				
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER TMKH967000	8. PROJECT COST (\$000) 9,984		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CONST MILITARY FAMILY HOUSING-PH 2	UN	104	53,485	5,562	
SUPPORTING FACILITIES				3,450	
SITE PREPARATION	LS			( 492)	
ROADS AND PAVING	LS			( 543)	
UTILITIES	LS			( 408)	
LANDSCAPING	LS			( 219)	
RECREATION	LS			( 214)	
GARAGES AND STORAGE	LS			( 589)	
LAND ACQUISTION	LS			( 985)	
SUBTOTAL				9,012	
CONTINGENCY (5%)				451	
TOTAL CONTRACT COST				9,463	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				520	
TOTAL REQUEST				9,984	
AREA COST FACTOR	.86				
10. Description of Proposed Construction: Construct 104 single/ duplex housing units and acquire necessary land. Includes: site development, utilities, roads and parking, sidewalks, street lighting, garages, storage, patios, privacy and perimeter fencing, air conditioning, appliances, recreation and play areas, neighborhood improvements, landscaping, fire protection, and energy management features.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
JRENL 2BR	950	.86	60	24	1,176,480
JNCO 2BR	950	.86	60	60	2,941,200
JNCO 4BR	1350	.86	60	10	696,600
SNCO 4BR	1450	.86	60	10	748,200
				104	5,562,480
11. REQUIREMENT: 1,967 UN ADEQUATE: 970 UN SUBSTANDARD: 459 UN PROJECT: Construct Military Family Housing (Phase 2). (New Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient housing for military members and their dependents stationed at Pope AFB. All units will meet "whole house" standards. This is the second of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure will be constructed to meet modern housing needs.					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)		TMKH967000

Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Land acquisition is required as no unencumbered land on Pope AFB or Ft Bragg Army Post is available to support this project.

CURRENT SITUATION: The community and Ft Bragg surrounding Pope AFB has insufficient, inadequate housing assets to support Pope requirements and programmed realignment actions. The latest Housing Market Analysis indicates a deficit (after completion of a companion FY95 project) of 418 housing units. The largest deficit is in 2-bedroom Junior NCO housing category. These are the families who can least afford to live off-base. Construction of off-base rental units has declined to very low levels, and available units rent for over \$400 per month. This cost drives available housing out of the price range of junior enlisted families. Land acquisition is required as no land on Pope or Ft Bragg is available to support this requirement.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending possible future assignment to base units. Families will continue to be forced to live off-base at greater distances from the base than are desirable and/or in expensive or otherwise unsuitable housing near the base. Ultimately, the mission will suffer from the effects of low morale and increased stress due to financial strains on families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 1 in the FY95 program to include land acquisition options.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME POPE AIR FORCE BASE							
5. DATA AS OF 31 JANUARY 1992		b. LOCATION FAYETTEVILLE, NC							
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	610	2,793	845	4,248	301	2,163	655	3,119	
7. PERMANENT PARTY PERSONNEL	610	2,793	845	4,248	301	2,163	655	3,119	
8. GROSS FAMILY HOUSING REQUIREMENTS	416	2,073	241	2,730	204	1,596	185	1,985	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	33	671	127	831					
a. INVOLUNTARILY SEPARATED	2	11	2	15					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY	31	660	125	816					
10. VOLUNTARY SEPARATIONS	2	17	5	24	1	13	4	18	
11. EFFECTIVE HOUSING REQUIREMENTS	416	2,073	241	2,730	203	1,583	181	1,967	
12. HOUSING ASSETS (a + b)	392	1,430	113	1,935	196	1,069	44	1,309	
a. UNDER MILITARY CONTROL	89	370	0	459	89	370	0	459	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	89	370	0	459	89	370	0	459	
(2) UNDER CONTRACT/APPROVED					0	0	0	0	
(3) VACANT	0	0	0	0					
(4) INACTIVE	0	0	0	0					
b. PRIVATE HOUSING	303	1,060	113	1,476	107	699	44	850	
(1) ACCEPTABLY HOUSED	292	1,015	109	1,416					
(2) ACCEPTABLE VACANT RENTAL	11	45	4	60					
13. EFFECTIVE HOUSING DEFICIT	24	643	128	795	7	514	137	658	
14. PROPOSED PROJECT						80	24	104	
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
3. INSTALLATION AND LOCATION SEYMORE-JOHNSON AIR FORCE BASE, NORTH CAROLINA	4. COMMAND			5. AREA CONST COST INDEX 0.86						
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS	SUPPORTED					
a. As of 30 SEP 94	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	455	3625	569				1	6	130	4,786
b. End FY 2000	567	4251	505				1	6	130	5,460
7. INVENTORY DATA (\$000)										
a. Total Acreage: ( 4,115)							196,480			
b. Inventory Total As Of: (30 SEP 94)							19,110			
c. Authorization Not Yet In Inventory:							204			
d. Authorization Requested In This Program:							0			
e. Authorization Included In Following Program: (FY 1997)							0			
f. Planned In Next Four Program Years:							0			
g. Remaining Deficiency:							0			
h. Grand Total:							215,794			
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996										
CATEGORY				SCOPE	COST (\$000)		DESIGN STATUS			
CODE	PROJECT TITLE						START	CMPL		
711-142	REPLACE GENERAL OFFICER HOUSING			1 UN	204		TURN KEY			
TOTAL: 204										
9a. Future Projects: Included in the Following Program (FY 1997) NONE										
9b. Future Projects: Typical Planned Next Four Years:										
10. Mission or Major Functions: A flying wing with four F-15 fighter squadrons, one of which conducts F-15E initial qualification training; and a KC-10 air refueling squadron (scheduled to depart with timing to be determined); and an Air Force Reserve air refueling wing with one KC-135 squadron.										

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
SEYMORE JOHNSON AIR FORCE BASE NORTH CAROLINA	REPLACE GENERAL OFFICER HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	VKAG966002	204	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE GENERAL OFFICERS HOUSING	UN	1	131,670	132
SUPPORTING FACILITIES				53
SITE PREPARATION	LS			( 6)
ROADS AND PAVING	LS			( 5)
UTILITIES	LS			( 7)
LANDSCAPING	LS			( 10)
GARAGE	LS			( 11)
DEMOLITION, ASBESTOS AND LBP REMOVAL	LS			( 14)
SUBTOTAL				185
CONTINGENCY (5%)				9
TOTAL CONTRACT COST				194
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				11
TOTAL REQUEST				204

AREA COST FACTOR .86

10. Description of Proposed Construction: Replacement of one General Officer housing unit with all necessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal and solar considerations.

UNIT	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
GOQ	4BR	.95	60	1	131,670
				1	131,670

11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN  
PROJECT: Replace General Officer Housing. (Current Mission)  
REQUIREMENT: This project is required to provide modern and efficient fourbedroom housing appropriate for family living and the entertainment responsibilities of the Wing Commander at Seymour Johnson AFB. This unit will meet "whole house" standards and is programmed in accordance with Phase "1" of the Housing Community Plan. The housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and a two-car garage. Exterior parking will be provided for guests and an official vehicle. Neighborhood enhancements will include landscaping of common areas.

CURRENT SITUATION: This project replaces a GOQ constructed in 1958. This 38-year old house is showing the effects of age and continuous heavy use and provides over 100 SF less living space than the GOQ standard. It has

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SEYMOUR JOHNSON AIR FORCE BASE NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE GENERAL OFFICER HOUSING	VKAG966002	
<p>had no major upgrade since construction and does not meet the needs of today's families nor does it provide a modern home environment. Walls, foundations, and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. The interior is generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small and fixtures are outdated and energy inefficient. The kitchen has inadequate storage and counter space, cabinets are old and unsightly, counter tops and sinks are badly worn, and plumbing and electrical systems are outdated. There are no Ground Fault Circuit Interrupters as are required by electrical codes. The number of outlets is minimal which results in the use of extension cords which can create a hazardous situation. Lighting systems throughout the house are inefficient and do not meet modern needs. Heating and air conditioning system requires upgrade or replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 75% of the replacement cost.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AIR)1716	
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION a. NAME SEYMOUR-JOHNSON AIR FORCE BASE						
5. DATA AS OF 31 JANUARY 1992		b. LOCATION GOLDSBORO, NC						
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	690	3,410	719	4,819	664	3,621	1,018	5,303
7. PERMANENT PARTY PERSONNEL	690	3,410	719	4,819	664	3,621	1,018	5,303
8. GROSS FAMILY HOUSING REQUIREMENTS	530	2,901	203	3,614	506	3,070	278	3,854
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	2	80	28	110				
a. INVOLUNTARILY SEPARATED	2	8	6	16				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	72	34	106				
10. VOLUNTARY SEPARATIONS	3	35	4	42	3	38	5	46
11. EFFECTIVE HOUSING REQUIREMENTS	530	2,901	203	3,614	503	3,032	273	3,808
12. HOUSING ASSETS (a + b)	533	2,812	174	3,519	510	2,979	246	3,735
a. UNDER MILITARY CONTROL	154	1,544	0	1,698	154	1,544	0	1,698
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	154	1,544	0	1,698	154	1,544	0	1,698
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	379	1,268	174	1,821	356	1,435	246	2,037
(1) ACCEPTABLY HOUSED	371	1,242	171	1,764				
(2) ACCEPTABLE VACANT RENTAL	8	26	3	37				
13. EFFECTIVE HOUSING DEFICIT	(3)	89	29	115	(7)	53	27	73
14. PROPOSED PROJECT					1			1
15. REMARKS								

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE		
SHAW AIR FORCE BASE, SOUTH CAROLINA	HOUSING MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	219-944	VLSB950004	715
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
HOUSING MAINTENANCE FACILITY			507
MAINTENANCE SHOP AND BENCHSTOCK	SF	6,400	(474)
COVERED STORAGE	SF	600	( 33)
SUPPORTING FACILITIES			139
UTILITIES	LS		( 61)
PARKING AND WALKS	SY	450	( 17)
SITE IMPROVEMENTS & LANDSCAPING	LS		( 49)
DEMOLITION	LS		( 8)
FENCING	LS		( 4)
SUBTOTAL			646
CONTINGENCY (5%)			<u>32</u>
TOTAL CONTRACT COST			678
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)			<u>37</u>
TOTAL REQUEST			715
AREA COST FACTOR	0.79		

10. Description of Proposed Construction: Construct concrete foundation, metal frame structure with split block exterior and standing seam metal roof, to include all necessary finishes and utilities. Includes provisions for latrines, maintenance shop space, self-help store, controllers area, administrative offices and covered storage. Demolishes four facilities. Provides for landscaping and parking.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 30,000 SF ADEQUATE: 22,194 SF SUBSTANDARD: 6,226 SF

PROJECT: Family Housing Maintenance Facility. (Current Mission)

REQUIREMENT: An adequate facility is required for conducting all housing maintenance activity for 1704 family housing units at Shaw AFB. The facility must be properly located for convenient access by housing occupants, maintenance personnel, and supply deliveries. The facility must provide space for the storage of benchstock materials, shop space for maintenance work, self-help areas for displays and customer service, maintenance work controllers, maintenance supervisor offices, latrines, and a covered nursery and storage area.

CURRENT SITUATION: The existing housing maintenance complex does not provide the required space to adequately serve housing customers. The storage area for appliances is located four miles away from the maintenance function, necessitating extra handling of appliances and resulting in wasted manhours and decreased response time to housing maintenance requirements. Existing housing maintenance facilities are poor in appearance, creating an initial substandard image of the overall housing development area. Appliance and carpenter repair functions are accomplished in two small covered sheds, hindering proper maintenance practices, especially during inclement weather. The lack of work space

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MAINTENANCE FACILITY	VLSB950004	

and appliance testing facilities necessitates taking repaired appliances to vacant housing units for proper testing. Material storage is located in a low ceiling metal structure which precludes proper and efficient storage of housing supplies. Inadequate covered storage forces open storage of valuable supplies and equipment. Existing administrative and controller offices are in a converted farmhouse, separated from the maintenance and storage facilities, creating decentralized control of housing maintenance functions. The small building does not have the layout or space to provide necessary customer support. Also, customer parking and maintenance vehicle service entrances are collocated, creating congestion and unsafe conditions for private vehicles, maintenance trucks, and housing occupants that converge into one small area. Due to antiquated heating, air conditioning, plumbing and electrical systems, as well as structural deterioration, four facilities will be demolished upon completion of the new facility.

IMPACT IF NOT PROVIDED: Response to customer requirements for housing maintenance will continue to be delayed due to poorly designed and widely dispersed maintenance facilities. Movement of appliances for repair purposes or placement in back-up stocks will require extra time and handling, and will increase chances for handling damage. The housing maintenance complex will continue to detract from the overall appearance of the housing area. Major repair and improvement of existing facilities is not an option due to their deteriorated condition. Costly efforts will continue to be committed to keep the existing facilities habitable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the "Air Force Housing Support Facilities Guide."

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE		
DYESSION AIR FORCE BASE, TEXAS	CONSTRUCT HOUSING MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	219-944	FNWZ910048	580
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
CONSTRUCT HOUSING MAINTENANCE FACILITY	LS		290
MAINTENANCE SHOP/SELF HELP STORE	SF	3,900	66 (257)
COVERED STORAGE	SF	600	55 (33)
SUPPORTING FACILITIES			234
UTILITIES	LS		(61)
PARKING AND WALKWAYS	SY	3,000	37 (111)
SITE IMPROVEMENTS AND LANDSCAPING	LS		(49)
FENCING	LS		(4)
DEMOLITION	LS		(9)
<b>SUBTOTAL</b>			<b>524</b>
CONTINGENCY (5%)			26
<b>TOTAL CONTRACT COST</b>			<b>550</b>
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)			30
<b>TOTAL REQUEST</b>			<b>580</b>
AREA COST FACTOR	0.92		
10. Description of Proposed Construction: Construct concrete foundation, metal frame structure with split block exterior and standing seam metal roof, to include all necessary finishes and utilities. Includes provisions for latrines, maintenance shop space, self-help store, controllers area, administrative offices and covered storage. Demolishes two facilities. Provides for landscaping and parking.			
Air Conditioning: 8 Tons.			
11. REQUIREMENT: 4,500 SF ADEQUATE: 0 SUBSTANDARD: 1,280 SF			
<u>PROJECT:</u> Construct Housing Maintenance Facility. (Current Mission)			
<u>REQUIREMENT:</u> An adequate facility is required for conducting all maintenance activity for 990 family housing units at Dyess AFB. The facility must be properly located for convenient access by housing occupants, maintenance personnel, and supply deliveries. The facility must provide space for the storage of benchstock materials, shop space for maintenance work, self-help area for displays and customer service, space for maintenance controllers, maintenance supervisor offices, latrines, and a covered nursery and storage area. Also required is secure exterior bulk and flammable storage. The convenience of collocating housing maintenance and self-help supplies will encourage housing occupants to be more active in caring for their houses.			
<u>CURRENT SITUATION:</u> The Housing Maintenance Facility serves 5,335 military members. Housing maintenance is presently performed by contract in office space located in two 30-year old, temporary wood structures which have exceeded their life expectancy. They are energy and functionally inefficient. As a result, maintenance costs are rapidly increasing. One of the 640 SF buildings is used as office space, and the other is used for storage. These unsightly structures are located in the middle of the			

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT HOUSING MAINTENANCE FACILITY		FNWZ910048
<p>housing area and will be demolished as a part of this project. Currently, the self-help store is three miles away from the housing area.</p> <p><u>IMPACT IF NOT PROVIDED:</u> A dedicated cost effective facility is required to meet the needs of Air Force Members and their families, as well as to ensure the efficient operations of the Housing Maintenance Facility. Without this new facility, we seriously jeopardize Housing Maintenance operations.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."</p>		

1. COMPONENT <b>AIR FORCE</b>	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION <b>LACKLAND AIR FORCE BASE, TEXAS</b>	4. COMMAND AIR EDUCATION				5. AREA CONST COST INDEX						
AND TRAINING COMMAND								0.87			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 94	1791	4615	2728	21	5222		28	604	48	15,057	
b. End FY 2000	1791	4750	2578	60	6073		28	604	48	15,932	
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 6,726)	469,220										
b. Inventory Total As Of: (30 SEP 94)	42,243										
c. Authorization Not Yet In Inventory:	6,200										
d. Authorization Requested In This Program:	800										
e. Authorization Included In Following Program: (FY 1997)	0										
f. Planned In Next Four Program Years:	0										
g. Remaining Deficiency:	518,463										
h. Grand Total:											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY				SCOPE	COST (\$000)	DESIGN STATUS					
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>(\$000)</u>	<u>START</u>	<u>CMPLE</u>				
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 2)			67 EA	6,200	TURN KEY					
TOTAL:					6,200						
9a. Future Projects: Included in the Following Program (FY 1997)											
219-944	REPLACE FAMILY HOUSING MAINTENANCE FACILITY			3,258 SF	350						
610-119	REPLACE FAMILY HOUSING MGT OFFICE			3,251 SF	450						
TOTAL:					800						
9b. Future Projects: Typical Planned Next Four Years:											
10. Mission or Major Functions: Training wing responsible for Basic Military Training School, and security police, transportation, cryptographic maintenance, recruiting, and social actions courses; Defense Language Institute English Language Center; Inter-American Air Forces Academy; and a major Air Force medical center.											

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 2)			
LACKLAND AIR FORCE BASE, TEXAS				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	MPLS964005	6,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SUPPORTING FACILITIES	UN	67	66,618	4,463
SUPPORTING FACILITIES	LS			1,134
SITE PREPARATION	LS			1,213
ROADS AND PAVING	LS			( 80)
UTILITIES	LS			( 257)
LANDSCAPING	LS			( 375)
RECREATION	LS			( 103)
DEMOLITION AND LEAD ABATEMENT	LS			( 58)
<b>SUBTOTAL</b>				<b>11,645</b>
CONTINGENCY (5%)				<b>582</b>
TOTAL CONTRACT COST				<b>12,227</b>
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<b>672</b>
<b>TOTAL REQUEST</b>				<b>6,200</b>
AREA COST FACTOR	.87			

10. Description of Proposed Construction: Replace 67 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex units. Provides normal amenities to include parking, HVAC, exterior patios and privacy fencing, neighborhood playgrounds, and recreation areas. Includes demolition with asbestos and lead-based paint abatement.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 3BR	1200	.86	60	29	1,795,680
JNCO 4BR	1350	.86	60	34	2,368,440
SNCO 4BR	1450	.86	60	4	299,280
				67	4,463,400

11. REQUIREMENT: 3,752 EA ADEQUATE: 2,574 EA SUBSTANDARD: 598 EA  
PROJECT: Replace 67 substandard military family housing units with all accompanying ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission).  
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Lackland AFB. All units will meet "whole house" standards and are programmed in accordance with phase II of the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases to provide adequate housing for base personnel. Of the 585 housing units to be replaced, 111 are programmed in a prior programs, and 401 will follow in subsequent phases. The replacement

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 2)		MPLS964005

housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second occupant vehicle and guests. Neighborhood support infrastructure will be upgraded to meet modern housing needs.

CURRENT SITUATION: These two story units were built in 1951 and last renovated in the kitchen, bathroom, and patio areas between 1976 and 1978. These upgrades are now substandard and time-worn. Only routine change of occupancy maintenance and some HVAC repairs have since been accomplished. Roofs, exterior walls, exterior doors, and windows require major repair or replacement due to the effects of age and the environment. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly and countertops and sinks are badly worn.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions that affect morale, performance, and the retention of quality personnel. The current Housing Market Analysis shows an on-base housing deficit of 580 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This replacement housing project will not increase the student population or impact the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(ARI)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1993		a. NAME LACKLAND AIR FORCE BASE			b. LOCATION SAN ANTONIO, TEXAS				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	2,381	4,816	3,580	10,777	2,512	5,078	5,158	12,748	
7. PERMANENT PARTY PERSONNEL	1,835	4,048	3,284	9,167	1,966	4,310	4,862	11,138	
8. GROSS FAMILY HOUSING REQUIREMENTS	925	1,723	334	2,982	1,155	2,103	494	3,752	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	0	0					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0					
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIREMENTS	925	1,723	334	2,982	1,155	2,103	494	3,752	
12. HOUSING ASSETS (a + b)	925	1,723	334	2,982	999	1,814	359	3,172	
a. UNDER MILITARY CONTROL	103	621	0	724	103	621	0	724	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	103	621	0	724	103	621	0	724	
(2) UNDER CONTRACT/APPROVED					0	0	0	0	
(3) VACANT	0	0	0	0					
(4) INACTIVE	0	0	0	0					
b. PRIVATE HOUSING	822	1,102	334	2,258	896	1,193	359	2,448	
(1) ACCEPTABLY HOUSED	822	1,102	334	2,258					
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	0	0	0	0	156	289	135	580	
14. PROPOSED PROJECT					0	67	0	67	
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS	4. PROJECT TITLE REPLACE FAMILY HOUSING MGT OFFICE			
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 610-119	7. PROJECT NUMBER VNVP964004	8. PROJECT COST (\$000) 500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING MGT OFFICE	SF	3,200	91	291
SUPPORTING FACILITIES				160
UTILITIES	LS			( 70)
SITE IMPROVEMENTS	LS			( 20)
PAVEMENTS	LS			( 50)
DEMOLITION	LS			( 20)
<b>SUBTOTAL</b>				<b>451</b>
CONTINGENCY (5%)				23
<b>TOTAL CONTRACT COST</b>				<b>474</b>
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				26
<b>TOTAL REQUEST</b>				<b>500</b>
AREA COST FACTOR	0.90			
10. Description of Proposed Construction: Construct management office including foundation, frame construction, HVAC system, parking lot, sidewalks, lighting, landscaping, entrance foyer, conference room, private offices for the Housing Manager, Assistant, and Facilities Chief, children's playroom, and break room. This project includes demolition of existing building.				
Air Conditioning: 8 Tons.				
11. REQUIREMENT: 3,200 SF ADEQUATE: 0 SUBSTANDARD: 3,198 SF PROJECT: Construct a Military Family Housing Management Office. (Current Mission). <u>REQUIREMENT:</u> Provide administrative and counseling space for the management of 1287 housing units. Must be conveniently located for accessibility by housing occupants and newly arriving personnel. Facility must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must have adequate parking and include provisions for access by the handicapped. <u>CURRENT SITUATION:</u> The Military Family Housing management office is located in a converted barracks building constructed in 1941. The structure requires excessive maintenance, is energy inefficient, projects an unfavorable appearance to military members and their families, is poorly configured for its current use, and is inconveniently sited. <u>IMPACT IF NOT PROVIDED:</u> The MFH Management Office will continue to require excessive maintenance and use excessive energy. Newly arriving military members and their families will continue to receive a poor first impression of Sheppard AFB. Service to the military personnel who process through and utilize the Management Office will continue to be hampered by				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING MGT OFFICE	VNVP964004	

an inadequate facility.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE REPLACE FAMILY HOUSING			
SHEPPARD AIR FORCE BASE, TEXAS	MAINTENANCE FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	219-944	VNVP964005	600	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING MAINTENANCE				
FACILITY	SF	5,800	60	348
SUPPORTING FACILITIES				194
UTILITIES	LS			( 89)
SITE IMPROVEMENT	LS			( 35)
PAVEMENTS	LS			( 50)
DEMOLITION	LS			( 20)
SUBTOTAL				542
CONTINGENCY (5%)				27
TOTAL CONTRACT COST				569
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				31
TOTAL REQUEST				600
AREA COST FACTOR		0.90		

10. Description of Proposed Construction: All site preparation, drainage improvements, concrete footings and foundation, steel framing, masonry walls, and standing seam metal roof. Project provides administrative office space, work shops, parts/supply storage, customer waiting area, conference/break room, miscellaneous supply storage, restrooms, and mechanical room. Includes all parking, utilities, and landscaping.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,800 SF ADEQUATE: 0 SUBSTANDARD: 3,200 SF

PROJECT: Construct a Military Family Housing Maintenance Facility.  
(Current Mission)

REQUIREMENT: An adequate facility is required for the MFH maintenance contractor to stage and conduct maintenance on all family housing units on Sheppard AFB. The facility must be located near the majority of family housing units yet visually screened to lessen the impact of an industrial facility placed adjacent to residential neighborhoods. The facility must provide handicap access, adequate parking for both employees and customers, and vehicular access for delivery trucks.

CURRENT SITUATION: The MFH maintenance shop is located in a 3,200 SF wood frame facility that was built in 1952. The current facility is inadequately sized, poorly configured, energy inefficient, has inadequate parking for employees, and requires excessive maintenance due to the general deteriorated condition of the building.

IMPACT IF NOT PROVIDED: The MFH maintenance contractor will be forced to continue operating from a facility that is inefficient and inconvenient to the customers of the housing maintenance operation. Cost associated with required maintenance of the existing facilities will become an increasing burden on available resources.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING MAINTENANCE FACILITY	VNVP964005	
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON				4. COMMAND AIR MOBILITY				5. AREA CONST COST INDEX			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED				
a. As of 30 SEP 94		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
b. End FY 2000		522	3955	1250				25	28	103	5,883
		503	3685	1177				25	28	103	5,521
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 5,745) b. Inventory Total As Of: (30 SEP 94) 201,531 c. Authorization Not Yet In Inventory: 11,790 d. Authorization Requested In This Program: 9,504 e. Authorization Included In Following Program: (FY 1997) 7,359 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 278,093											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
711-142		REPLACE FAMILY HOUSING, PHASE 1			50 UN	9,504	TURN KEY				
9a. Future Projects: Included in the Following Program (FY 1997)											
711-142		REPLACE FAMILY HOUSING, PHASE 2			50 UN	7,359	TURN KEY				
9b. Future Projects: Typical Planned Next Four Years:											
10. Mission or Major Functions: An Air Combat Command airlift wing with three C-141 squadrons; an Air Force Reserve C-141 associate airlift wing; Northwest Air Defense Sector, which will consolidate into the Western Air Defense Sector 95/2 and be assigned to the Air National Guard; and an Air National Guard air defense detachment (F-15 aircraft).											

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
MCCHORD AIR FORCE BASE, WASHINGTON	REPLACE FAMILY HOUSING, PHASE 1			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	PQWY964001	9,504	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING	UN	50	78,149	3,907
SUPPORTING FACILITIES				4,672
SITE PREPARATION	LS			(1,722)
ROADS AND PAVING	LS			(250)
UTILITIES	LS			(665)
LANDSCAPING/RECREATION	LS			(100)
GARAGES	LS			(265)
DEMOLITION/ASBESTOS/LBP REMOVAL	LS			(695)
LAND ACQUISITION	LS			(975)
SUBTOTAL				8,579
CONTINGENCY (5%)				429
TOTAL CONTRACT COST				9,008
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				495
TOTAL REQUEST				9,504

AREA COST FACTOR	1.08				
10. Description of Proposed Construction: Replace 50 substandard housing units. Includes land acquisition, site preparation, utilities, roads, landscaping, neighborhood recreation areas. Amenities include heating, air-conditioning, carpeting, garages, appliances, patios, and privacy fencing. Includes demolition of existing units, asbestos and lead-based paint removal.					
.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS	TOTAL COST
JNCO 3BR	1200	1.08	60	48	3,732,480
JNCO 4BR	1350	1.08	60	2	174,960
				50	3,907,440

11. PROJECT: Replace substandard family housing units. (Current Mission) REQUIREMENT: Project will provide modern and efficient housing for military members and their families assigned at McChord AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Land acquisition of 20 acres is required. There is no land or housing available for use on Fort Lewis Army Post. CURRENT SITUATION: This project replaces houses constructed in 1941. These houses were identified as uneconomical to upgrade in 1972 and the FY73 Military Construction Authorization, Public Law 92-545, authorized the Secretary of Defense to declare these units substandard. These 55-year old houses are located in the high noise (65-70 LDN AICUZ) and industrial area of the base, are undersized, meet none of the "whole house/neighborhood" standards, and show effect of continuous heavy use.
---

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING, PHASE 1	POWY964001	

They have had no major upgrades since construction and do not meet the needs of today's families. There is no interior storage, the laundry is located in an exterior area common to two units used to house the heating system. There are no entry foyers, the only entry opens directly into the living room. Bedrooms are undersized with negligible closet space. Electrical, water and sewer systems are the original. Off street parking is limited to one paved space per unit or none due to terrain constraints.

IMPACT IF NOT PROVIDED: Military members and their families will be forced to continue living in substandard, uninhabitable units because affordable off-base housing is not available. The current Housing Market Analysis, dated Apr 94, shows a deficit of 208.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". AF/CE Ltr, undated, states, "Under no circumstances will the units be considered for improvement or upgrading", therefore, an economic analysis has not been accomplished. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AIR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION								
5. DATA AS OF 1993	a. NAME McCHORD AIR FORCE BASE				b. LOCATION TACOMA, WASHINGTON				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		677	3,021	775	4,473	536	3,050	782	4,368
7. PERMANENT PARTY PERSONNEL		677	3,021	775	4,473	536	3,050	782	4,368
8. GROSS FAMILY HOUSING REQUIREMENTS		490	2,338	222	3,050	347	2,364	228	2,939
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		36	643	31	710				
a. INVOLUNTARILY SEPARATED		2	3	1	6				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY		34	640	30	704				
10. VOLUNTARY SEPARATIONS		13	108	7	128	6	109	7	122
11. EFFECTIVE HOUSING REQUIREMENTS		490	2,338	222	3,050	341	2,255	221	2,817
12. HOUSING ASSETS (a + b)		452	1,615	187	2,254	322	1,569	170	2,061
a. UNDER MILITARY CONTROL		117	776	88	981	117	776	88	981
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		117	776	88	981	117	776	88	981
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		335	839	99	1,273	205	793	82	1,080
(1) ACCEPTABLY HOUSED		324	811	96	1,231				
(2) ACCEPTABLE VACANT RENTAL		11	28	3	42				
13. EFFECTIVE HOUSING DEFICIT		38	723	35	796	19	686	51	756
14. PROPOSED PROJECT							50		50
15. REMARKS									

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
ANDERSEN AIR FORCE BASE, GUAM		HOUSING MANAGEMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	AJJY959801R4	1,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT FACILITY	LS			945
HOUSING MGT FACILITY	SF	4,500	210	( 945)
SUPPORTING FACILITIES				589
UTILITIES	LS			( 190)
PAVEMENTS	LS			( 90)
SITE IMPROVEMENTS	LS			( 160)
FIRE SUPPRESSION	LS			( 99)
PREWIRING FOR WORKSTATIONS	EA	10	5,000	( 50)
SUBTOTAL				1,534
CONTINGENCY (5%)				77
TOTAL CONTRACT COST				1,611
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				89
TOTAL REQUEST				1,700
AREA COST FACTOR	2.24			
10. Description of Proposed Construction:	Reinforced concrete structure, concrete slab foundation and roofing system. Facility includes offices, restrooms, counseling and meeting rooms, customer reception area, computer/storage areas, and interior and exterior play areas. Includes utilities, fire suppression system, prewiring for workstations, parking, and site improvements.			
Air Conditioning:	7 Tons.			
11. REQUIREMENT:	4,500 SF ADEQUATE: 0 SUBSTANDARD: 0			
<u>PROJECT:</u>	Family housing management facility. (Current Mission)			
<u>REQUIREMENT:</u>	An adequate facility is required for managing base owned and operated family housing assets, for assisting all arriving personnel in finding on or off-base housing, and for managing family housing furnishings operations (one-stop shopping concept). Facility will contain all housing management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Plays areas will provide a safe, secure, and attractive environment for children of customers.			
<u>CURRENT SITUATION:</u>	The existing housing management office is located in a converted family housing duplex facility. The conversion took place in 1978 when there was a surplus of housing. Over the years the housing situation has changed. Today the facility could be better utilized as a family housing unit and the base has a critical need for a facility that is designed to better accommodate the housing functions. The existing facility cannot be efficiently reconfigured to house the growth in staff. Functionally, the facility has many shortcomings and does not have many of the features required by today's standards. The existing facility will be			

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ANDERSEN AIR FORCE BASE, GUAM		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MANAGEMENT FACILITY	AJJY959801R4	
<p>converted back to its original use after completion of the new housing management facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The family housing management function will continue to operate in a facility designed for use as family living quarters which is undersized and inadequate as a housing management facility. The furnishings management function will remain decentralized resulting in an inefficient and fragmented operations. Personnel requiring services will be inconvenienced when visiting the housing office due to the lack of sufficient space and amenities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190. "Facility Planning and Design Guide".</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.00					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS		SUPPORTED				
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94		210	1968	321				321	1290	188	4,298
b. End FY 2000		208	1906	319				321	1290	188	4,232
7. INVENTORY DATA (\$000)											
a. Total Acreage: ( 3,471) <span style="float: right;">198,559</span> b. Inventory Total As Of: (30 SEP 94) <span style="float: right;">2,400</span> c. Authorization Not Yet In Inventory: <span style="float: right;">10,146</span> d. Authorization Requested In This Program: <span style="float: right;">0</span> e. Authorization Included In Following Program: (FY 1997) <span style="float: right;">0</span> f. Planned In Next Four Program Years: <span style="float: right;">0</span> g. Remaining Deficiency: <span style="float: right;">0</span> h. Grand Total: <span style="float: right;">211,105</span>											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996											
CATEGORY		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
CODE							START	CMPL			
711-142		REPLACE FAMILY HOUSING			150 UN	10,146	TURN KEY				
					TOTAL:	10,146					
9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years:											
10. Mission or Major Functions: A wing with no permanently assigned force structure responsible for regional logistics in Turkey and command and control for deployed forces. As a combined US/Turkish common defense facility, Incirlik supports a composite wing (provisional) with various types of aircraft and multinational forces engaged in PROVIDE COMFORT AND SOUTHERN WATCH.											

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
INCIRLIK AB, TURKEY	REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	LJYC964001	10,146	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING				7,796
REPAIR BY REPLACEMENT 150 MFH UNITS	UN	150	51,011	( 7,652)
SOLAR	LS			( 144)
SUPPORTING FACILITIES				1,363
SITE PREPARATION	LS			( 212)
ROADS AND PAVING	LS			( 191)
UTILITIES	LS			( 226)
LANDSCAPING	LS			( 135)
RECREATION	LS			( 156)
DEMOLITION	LS			( 443)
SUBTOTAL				9,159
CONTINGENCY (5%)				458
TOTAL CONTRACT COST				9,617
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				529
TOTAL REQUEST				10,146
AREA COST FACTOR	.96			
10. Description of Proposed Construction: Repair by replacement 150 MFH units with 150 units. Provide all necessary amenities and supporting facilities. Project includes site preparation, carports, HVAC, energy conserving solar features, parking, support infrastructure of roads and utilities, neighborhood playgrounds and recreational areas, and all landscaping.				
UNIT TYPE	NET AREA	PROJECT FACTOR	\$ / NSF	NO. UNITS
JNCO 2BR	950	.95	48	64
JNCO 3BR	1200	.95	48	70
SNCO 3BR	1350	.95	48	6
SNCO 4BR	1450	.95	48	4
CGO 4BR	1450	.95	48	2
FGO 3BR	1400	.95	48	2
SGO 4BR	1700	.95	48	2
				150
				7,651,680

11. REQUIREMENT: 1,357 UN ADEQUATE: 800 UN SUBSTANDARD: 557 UN  
PROJECT: Repair by replacement 150 MFH units by constructing 150 new units at Incirlik AB, Turkey. (Current Mission)  
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Incirlik Air Base. All units will meet modern housing standards. The housing will provide a safe, comfortable, and appealing living environment comparable to the standards provided in a typical American civilian community. The design will provide a modern kitchen, living room, family room, bedroom

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INCIRLIK AB, TURKEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	LJYC964001	

and bath configuration, with ample interior and exterior storage. Units will be provided with a car port and community parking for a second vehicle and visitor parking. The housing area will be provided with an adequate support infrastructure of roads and utilities.

CURRENT SITUATION: Incirlik has a large deficit in Military Family Housing facilities. The on-base MFH consists of 950 units. 800 units were constructed in 1982 thru 1985 and are adequate facilities. The remaining 150 MFH units were constructed in 1961 which are in substandard condition and beyond economical upgrade/improvement. Despite extensive maintenance and repair efforts and expenses, settlement and shifting of foundations causes continuing structural damages. Cracks in the foundation are over an inch wide and run the length of the unit with differences of 1" to 4" in elevation across the crack. Electric, mechanical, and other utility systems are outdated and do not meet energy capacity and efficiency requirements. Three (3) bedroom units do not have the second bathrooms as required by US Air Force Standards. Most off-base housing in the Middle-East like in the city of Adana lacks the normal ammenities that American Military personnel and their families require, namely central HVAC. Local housing is poorly constructed and the local water does not meet potable water standards. Incirlik's geographical location in the Middle East makes it a primary target for terrorist activity. AFOSI REGION 5/EAC wrote a classified assessment titled, "SUBJECT: Threat Assessment for off-base housing at Incirlik AB, TU (U)," 5 JULY 1994. Paragraph 2 provides an Unclassified summary as follows: UNCLASSIFIED: "2. (U) Terrorist threat: Both the Department of Defense and the Department of State assess the terrorist threat to Americans throughout Turkey as high. This assessment is based upon the existence of terroist organizations operating in Turkey with demonstrated histories, capabilities, and intentions of targeting,..." (See ADDITIONAL)

IMPACT IF NOT PROVIDED: There are no alternatives to living in substandard or expensive housing if families desire to avoid lengthy and costly (both finacially and psychologically) "voluntary" separations. The impact will be major morale and/or financial problems for the affected families. The lower quality housing off-base will worsen the quality of life for our military personnel and their familiy. Off-base housing will not provide the security against terrorism that on-base housing can. The US Government will continue to spend MFH funds conducting piecemeal maintenance and repair on outdated facilities.

ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. Continued from CURRENT SITUATION, UNCLASSIFIED: "... as well as attacking American personnel and resources in Turkey. This threat can be discussed under three areas: Indigenous, Separatist, and Transnational terroism."

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1994		a. NAME INCIRLIK AIR BASE			b. LOCATION TURKEY				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	208	1,547	393	2,148	209	1,440	507	2,156	
7. PERMANENT PARTY PERSONNEL	195	1,454	359	2,008	200	1,347	473	2,020	
8. GROSS FAMILY HOUSING REQUIREMENTS	162	1,204	277	1,643	156	1,083	243	1,482	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	21	208	120	349					
a. INVOLUNTARILY SEPARATED	0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	6	144	0	150					
c. UNACCEPTABLE HOUSED IN COMMUNITY	15	64	120	199					
10. VOLUNTARY SEPARATIONS	10	110	37	157	12	90	21	123	
11. EFFECTIVE HOUSING REQUIREMENTS	162	1,204	277	1,643	144	993	222	1,359	
12. HOUSING ASSETS (a + b)	132	897	120	1,149	126	753	120	999	
a. UNDER MILITARY CONTROL	117	833	0	950	111	689	0	800	
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	116	822	0	938	0	0	0	0	
(2) UNDER CONTRACT/APPROVED					0	0	0	0	
(3) VACANT	0	0	0	0					
(4) INACTIVE	1	11	0	12					
b. PRIVATE HOUSING	15	64	120	199	15	64	120	199	
(1) ACCEPTABLY HOUSED	15	64	120	199					
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT	31	318	157	506	18	240	102	360	
14. PROPOSED PROJECT					6	144	0	150	
15. REMARKS									

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION

Program (In Thousands)  
FY 1996 Program \$85,059  
FY 1995 Program \$61,770

Purpose and Scope

The Air Force operates approximately 120,000 family housing units. The average age of housing units in the Air Force inventory is over 30 years. Over 60,000 of these units now require improvements or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 60%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our requirements plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation area and utilities, in addition to the housing unit itself.

Consistent with Authorization and Appropriation Committees' language in FY 90, the Air Force is seeking to maintain funding in this account to continue revitalizing our aging homes. Consistent with Appropriation Committees' language in FY 85, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

Program Summary

Authorization is requested for:

- (1) Various improvements to existing public quarters, as described on DD Form 1391.
- (2) Appropriation of \$85,059,000 to fund projects in FY96.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
VARIOUS AIR FORCE BASES		POST ACQUISITION CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-000	XXXX9600PAIP	85,059	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
POST ACQUISITION CONSTRUCTION				85,059
PROJECTS TO IMPROVE FAMILY HOUSING	UN	944	90,105	(85,059)
SUBTOTAL				85,059
TOTAL CONTRACT COST				85,059
TOTAL REQUEST				85,059

10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.)

11. PROJECT: This request is for appropriation of \$85.059 million to accomplish improvements in family housing units.

REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.)

CURRENT SITUATION: The majority of these housing units were constructed since the late 1940's using various design and construction criteria, with different types of material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows, etc., not previously cost effective, are now wise investments. This program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operation costs and improving safety aspects.

ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" unless noted on the individual DD Form 1391s.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION		N/A

10. Description of work to be accomplished

Location and Project

Current Working  
Estimate (\$000)

UNITED STATES

ALASKA

ELMENDORF AFB

IMPROVE FAMILY HOUSING (PHASE 8)

10,194

FXSB974002R1

- Convert 48 3-bedroom units to 2-bedroom, improve bath, kitchen, entry way and replace siding.
- Demolish 16 units. Improve 80 units including attached garage addition, kitchen, bath, interior renovation and replace siding.
- Neighborhood work includes utilities, landscaping, pavement and recreational areas.
- Environmental work includes asbestos and lead-based paint compliance.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:  
None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

COLORADO

PETERSON AFB

IMPROVE MILITARY FAMILY HOUSING PHASE 7

5,690

TDKA924001P1

- Upgrade 76 housing units, supporting facilities, and community development improvements. Work will include alteration of interior spaces, improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal.
- (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:  
None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>COLORADO (CONT)</u>	
USAF ACADEMY	
IMPROVE CAPEHART FAMILY HOUSING	4,029
XQPZ950030	
- Improve 62 Capehart units. Renovate kitchens and bathrooms; add family rooms, bathrooms, privacy fencing, garages, and trash enclosures. Relocate washers/dryers to main level and patios next to the family room/kitchen. Functional layouts will be modified and square footage increased as required. Repair interior and exterior features and landscape as required. Construct two playgrounds. (Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Includes some radon mitigation (average cost, \$2,700/unit), some minor roof repairs (\$1,400/unit average), and basement leak repairs (\$4,500/unit average).	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

DISTRICT OF COLUMBIA

BOLLING AFB	
IMPROVE FAMILY HOUSING MGT OFFICE	401
BXUR964004	
- Work includes addition and alteration to existing housing office, site work, utilities as needed, roof/truss system to match existing facility. Project also provides interior finish, fixtures, fire protection/detection and provisions for handicap persons. Provide walks, landscaping and fenced play yard for children of customers of the housing office.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	
10. Description of work to be accomplished		
<u>Location and Project</u>		<u>Current Working Estimate (\$000)</u>
<u>FLORIDA</u>		
ELGIN AUX FIELD 9 (HURLBURT FIELD)		
COMMUNITY IMPROVEMENT		1,120
FTEV964007		
<ul style="list-style-type: none"> <li>- Construct paved multi-use trails, site furnishing, bus shelters, benches and litter receptacles. Block-scale improvement of ornamental trees, plantings at intersection to mark entry streets. Construct sidewalks and driveways including pedestrian overpass across US HWY 98. Construct 10'x12' storage units to 25 units in Pines Shadow area.</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: None</li> </ul>		
<u>GEORGIA</u>		
MOODY AFB		
IMPROVE MILITARY FAMILY HOUSING (PHASE 1)		8,263
QSEU933000		
<ul style="list-style-type: none"> <li>- Provides interior and exterior renovation of 128 housing units. Includes utility upgrade and additions to meet standards. Upgrades kitchens, bathrooms and flooring, improves floorplans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas, and replaces carports with garages. Includes appliances, demolition, and asbestos/LBP and Radon remediation. (Separate DD Form 1391 attached)</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Only routine and change of occupancy maintenance has been accomplished in the previous three years.</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: Only routine and change of occupancy maintenance is anticipated in the three years following upgrade.</li> </ul>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION		N/A

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>HAWAII</u>	
HICKAM AFB	
IMPROVE FAMILY HOUSING (PHASE 1)	19,897
KNMD964401	
- Improve 126 housing units. Work includes general interior and exterior modernization and renovation; utility upgrades and additions to living areas to meet current standards; improved floor plans; increased energy efficiency; and, environmental compliance. Neighborhood work includes utility upgrades, recreational facilities, pavements and landscaping. (Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.	

ILLINOIS

SCOTT AFB	
IMPROVE FAMILY HOUSING	4,450
VDYD974005	
- Interior and exterior modernization and renovation of 48 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	
10. Description of work to be accomplished		
<u>Location and Project</u>		<u>Current Working Estimate (\$000)</u>
<u>NEW JERSEY</u>		
MC GUIRE AFB		
IMPROVE GENERAL OFFICER QUARTERS		
PTFL934017		
<ul style="list-style-type: none"> <li>- Improve four General Officer units. Reconfigure and upgrade kitchens; upgrade bathrooms, mechanical and electrical systems. Replace doors, roofs, siding, and add insulation. Expand master bedroom, repair porches and ceilings, paint interior, and replace carpet. (Separate DD Form 1391 attached)</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93: Repair kitchen, landscape, \$21K. FY94: Replace patios, windows, \$51K. FY95: Replace doors, garage doors, siding; repair bathroom, \$56K.</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: FY97: Replace garage doors, landscape, \$27K. FY98: Replace driveway, repair garage, \$24K. FY99: Replace exterior lighting, repair kitchen, \$22K.</li> </ul>		
IMPROVE FAMILY HOUSING		
PTFL964001		
<ul style="list-style-type: none"> <li>- Interior and exterior modernization and renovation of 100 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead-based paint removal. (separate DD Form 1391 attached)</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: None</li> </ul>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

Location and Project

Current Working  
Estimate (\$000)

NORTH CAROLINA

POPE AFB

IMPROVE MILITARY FAMILY HOUSING

1,221

TMKH904000

- Improve 10 historical housing units. Upgrade utility systems, alter HVAC ducts, remodel kitchens and bathrooms, insulate throughout, repair exterior finishes, replace roofs, construct patios with privacy fences, replace doors, install storm windows, repair garages, and replace interior finishes and hardware.
- Includes Asbestos and Lead-based paint removal.
- Remove underground tanks.
- (Separate DD Form 1391 attached)

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

- WORK PROGRAMMED FOR NEXT THREE YEARS: None

SEYMOUR-JOHNSON AFB

IMPROVE PRIVACY FENCES

311

VKAG945000

- Improve existing privacy fencing by replacing existing wire mesh and fabric fence with a metal panelled fence. Work includes demolition of existing fencing; excavation for concreted post holes and mowing strips; re-landscaping; new posts and fence panels; grounding; and new gates.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

Location and Project

Current Working  
Estimate (\$000)

OHIO

WRIGHT-PATTERSON AFB	
IMPROVE FAMILY HOUSING PHASE 9	6,000
ZHTV8200169	
- Improve 82 Wherry units and 7 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, reconfiguration of functional layout. Improve exterior, install rear entry steel doors, provide patios, privacy fences, storage sheds, and correct drainage. Add parking areas throughout. Construct addition to SOQs to add authorized square footage.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

VIRGINIA

LANGLEY AFB	
IMPROVE FAMILY HOUSING FIRE STATION	67
MUHJ930220	
- All material, equipment, and labor required to enlarge the firefighting vehicle parking bay in the Bethel Manor Military Family Housing (MFH) Area fire station, Building 1795. The work also includes enlarging the living quarters of the fire station.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>WYOMING</u>	
F E WARREN AFB	
IMPROVE FAMILY HOUSING PHASE 1	5,624
GHLN927185	
- Provides general interior and exterior modernization and renovation of 52 housing units. Includes upgrading heating and plumbing systems, remodels kitchens & replaces windows. Includes demolition and asbestos/lead-based paint removal. Neighborhood improvements include tree planting, play area fencing, off street pedestrian trail system, & neighborhood entrances/road changes.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	
10. Description of work to be accomplished		
<u>Location and Project</u>		<u>Current Working Estimate (\$000)</u>
<u>OVERSEAS</u>		
<u>AUSTRALIA</u>		
WOOMERA AS		
IMPROVE FAMILY HOUSING PH V		212
ZGTT964001		
<ul style="list-style-type: none"> <li>- Replace heating, ventilating, and air conditioning, exterior siding, doors and windows for 3 housing units. Install wiring, repaint interior, landscape yards and install sprinkler system. Renovate downstairs bathroom. (Separate DD Form 1391 attached)</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: None</li> </ul>		
<u>GERMANY</u>		
RAMSTEIN AB		
IMPROVE FAMILY HOUSING (BATH TOWERS)		1,600
YANB954552		
<ul style="list-style-type: none"> <li>- Provide concrete bathroom towers for 64 apartment type housing units. Includes erection of precast concrete towers, installation of bathroom fixtures, and all plumbing, carpentry, electrical, and other work necessary to provide a laundry room and a second bathroom in MFH units to meet minimum housing standards and needs.</li> <li>- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</li> <li>- WORK PROGRAMMED FOR NEXT THREE YEARS: None</li> </ul>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>GUAM</u>	
ANDERSEN AFB	
IMPROVE FAMILY HOUSING (PHASE 7)	5,828
AJJY964402R2	
- Improve 54 family housing units. Work includes enlarging the master bedroom, renovation of kitchen, bathroom, plumbing and electrical systems, and typhoon shutters; construction of outside storage and installation of package A/C system. Environmental work includes asbestos and lead based paint compliance. Neighborhood improvements include bus shelter, playground and sidewalks.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:	
None.	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.	

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION PROJECTS (over \$50,000 per unit)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
PETERSON AIR FORCE BASE, COLORADO		IMPROVE FAMILY HOUSING PHASE 7		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-143	TDKA924001P1	5,690	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING PHASE 7	UN	76	47,500	3,610
SUPPORTING FACILITIES				1,651
UTILITIES	LS			( 233)
SITE IMPROVEMENTS	LS			( 226)
PAVEMENTS	LS			( 172)
COMMUNITY DEVELOPMENT PLAN	LS			( 564)
ASBESTOS AND LEAD REMOVAL	UN	76	6,000	( 456)
SUBTOTAL				5,261
CONTINGENCY (5%)				263
TOTAL CONTRACT COST				5,524
SUPERVISION, INSPECTION AND OVERHEAD (3%)				166
TOTAL REQUEST				5,690
MOST EXPENSIVE UNIT	\$93,500			
AREA COST FACTOR	1.06			

10. Description of Proposed Construction: Upgrade 76 housing units, supporting facilities, and community development improvements. Work will include alteration of interior spaces, improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal.

11. REQUIREMENT: 4,743 UN ADEQUATE: 190 UN SUBSTANDARD: 301 UN  
PROJECT: Improve Family Housing Phase 7. This includes community development improvements. (Current Mission).  
REQUIREMENT: Project is required to upgrade existing housing to current construction codes and livability standards to extend usable life of the units. This will include the upgrade of 76 existing units in accordance with the Air Force "Whole House Modernization Concept". In adjacent areas, a Community Development Plan (CDP) will also be a part of this project to include paved walking paths, upgraded and new playgrounds, area landscaping, pedestrian crossings and other miscellaneous improvements. This is the seventh of multiple phases to upgrade 491 houses. A total of 245 units have been upgraded or were approved in previous phases. Also 13 GOQ's have been renovated under other Whole House projects. This project is based on and conforms in principal to the Housing Community Plan, dated 29 July 91.

CURRENT SITUATION: The housing units included in this project were constructed in 1965 & 1975 using a tract housing concept, with low cost/high maintenance materials. Due to existing functional arrangement of partition walls, kitchens, dining, and laundry room areas, poor utilization of space exists. Location of kitchen appliances, counter space, and existing partition arrangements results in poor traffic flow.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PHASE 7	TDKA924001P1	

Lighting fixtures are poorly located and old ranging in age from 18 to 26 years old. Because of age and wear, complete renovation of the bathrooms is required. Existing surface finishes are antiquated and require upgrading. The metal windows with exterior storm windows have worn sliding sashes that are loose and binding. Most units lack adequate storage. Insulation, new roofing and new exterior siding are needed. Asbestos and lead based paint require removal. Surrounding outdoor recreation areas are inadequate and require upgrading and improvement.

IMPACT IF NOT PROVIDED: Current housing units do not satisfy the current Air Force Quality of Life standards, forcing military families to live in facilities that are sub-standard and not consistent with the quality of today's housing construction. Housing units will continue to deteriorate at a rapid rate requiring high maintenance, repair and other contract work. The exterior surrounding community recreation areas will continue to be less than adequate. The most recent Housing Market Analysis shows a housing deficit of 1669 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The MFH Community Plan suggested phasing plan was set up for approximately 10 years. The replacement cost of the 76 units ranges from \$101,600 to \$143,900. The work in this project does not exceed a maximum of 68% of the replacement cost of any one of these units.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION USAF ACADEMY	4. PROJECT TITLE IMPROVE CAPEHART FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-111	XQPZ950030	4,029	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE CAPEHART FAMILY HOUSING	UN	62	53,610	3,324
SUPPORTING FACILITIES				402
UTILITIES	LS			( 70)
PARKING	LS			( 66)
LANDSCAPING	LS			( 49)
CLUSTER ENTRANCE	LS			( 60)
ENVIRONMENTAL HAZARD MITIGATION	LS			( 103)
CONSTRUCT RECREATION FACILITIES	LS			( 54)
<b>SUBTOTAL</b>				<b>3,726</b>
CONTINGENCY (5%)				186
<b>TOTAL CONTRACT COST</b>				<b>3,912</b>
SUPERVISION, INSPECTION AND OVERHEAD (3%)				117
<b>TOTAL REQUEST</b>				<b>4,029</b>
MOST EXPENSIVE UNIT	\$86,084			
AREA COST FACTOR	1.06			

10. Description of Proposed Construction: Improve 62 Capehart units. Renovate kitchens and bathrooms; add family rooms, bathrooms, privacy fencing, garages, and trash enclosures. Relocate washers/dryers to main level and patios next to the family room/kitchen. Functional layouts will be modified and square footage increased as required. Repair interior and exterior features and landscape as required. Construct two playgrounds.  
Grade Mix: 62 O4-O10.

11. REQUIREMENT: 1,481 UN ADEQUATE: 75 UN SUBSTANDARD: 1,154 UN  
PROJECT: Provides improvements and repairs to 62 Capehart military family housing units and constructs two playgrounds.  
REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to this installation. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.  
CURRENT SITUATION: These units were constructed in 1959. Kitchens, baths, windows, and siding were partially renovated between 1977 and 1983. Units do not meet current DOD standards. Kitchens need modifications to provide adequate storage cabinet and countertop areas. Most units do not have enough bathrooms. Formal/informal dining areas are too small and very few units have family rooms. The units require maintenance and repair on plumbing, heating, and electrical systems. Closet doors are difficult to operate and most laundry areas are in the basements away from the bedrooms. Mitigation of asbestos, radon, and lead-based paint is required in some units to meet EPA and Air Force standards. Existing carports and entry foyers are inadequate for climatic conditions. Landscaping is poor to non-existent.  
IMPACT IF NOT PROVIDED: Occupants will continue to live in substandard

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
USAF ACADEMY		
4. PROJECT TITLE IMPROVE CAPEHART FAMILY HOUSING	5. PROJECT NUMBER XQPZ950030	

housing in units that do not meet Air Force standards or are of comparable quality to off-base housing. Operations and maintenance costs will continue to increase due to the age and deterioration of the facilities and building systems. Energy consumption will increase and utility expenses will continue to escalate. Morale and retention of quality Air force people will be reduced. The units will become uninhabitable.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Includes some radon mitigation (average cost, \$2,700/unit), some minor roof repairs (\$1,400/unit average), and basement leak repairs (\$4,500/unit average).

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The average replacement costs for the two unit types in this project are \$129,000 and \$150,000. The total work included in this project represents a maximum of 50% of the replacement cost of an individual unit. Economic analysis demonstrates improving these units is the most economical way to continue to operate them. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE IMPROVE MILITARY FAMILY HOUSING (PHASE 1)			
MOODY AIR FORCE BASE, GEORGIA				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-143	QSEU933000	8,263	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE MILITARY FAMILY HOUSING (PH 1)	UN	128	43,030	5,508
SUPPORTING FACILITIES				2,132
UTILITIES	LS			( 622)
SITE IMPROVEMENTS & LANDSCAPING	LS			( 264)
PAVEMENTS	LS			( 301)
GARAGES/STORAGE	LS			( 591)
RADON, ASBESTOS, & LBP REMOVAL	LS			( 245)
RECREATION FACILITIES	LS			( 109)
<b>SUBTOTAL</b>				7,640
CONTINGENCY (5%)				382
<b>TOTAL CONTRACT COST</b>				8,022
SUPERVISION, INSPECTION AND OVERHEAD (3%)				241
<b>TOTAL REQUEST</b>				8,263
MOST EXPENSIVE UNIT	\$94,463			
AREA COST FACTOR	0.85			

10. Description of Proposed Construction: Provides interior and exterior renovation of 128 housing units. Includes utility upgrade and additions to meet standards. Upgrades kitchens, bathrooms and flooring, improves floorplans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas, and replaces carports with garages. Includes appliances, demolition, and asbestos/LBP and Radon remediation.

11. REQUIREMENT: 1,853 UN ADEQUATE: 1,563 UN SUBSTANDARD: 304 UN  
PROJECT: Improve 128 Military Family Housing units (Phase 1).  
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Moody AFB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade 304 houses. All units will meet "whole house" standards and are programmed in accordance with phase "A" of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs.  
CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1965-1972. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are small and poorly configured. Bathrooms also require

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE MILITARY FAMILY HOUSING (PHASE 1)	QSEU933000	

enlargement and replacement of outdated fixtures, vanities, and exhaust fans. Countertops are warped, stained and deteriorated from age and use. Plumbing and lighting fixtures are deteriorated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter protection is lacking from bath, kitchen, and exterior circuits. Windows and doors require replacement. Flooring is old and worn...some contains asbestos.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and inconvenience to occupants. Costly repairs will continue, with little or no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Only routine and change of occupancy maintenance has been accomplished in the previous three years.

WORK PROGRAMMED FOR NEXT THREE YEARS: Only routine and change of occupancy maintenance is anticipated in the three years following upgrade.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, renovation was found to be the most cost effective over the life of the project. The cost to improve this housing is 63% of the replacement cost.

.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE 1)		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-143	7. PROJECT NUMBER KNMD964401	8. PROJECT COST (\$000) 19,897	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING (PHASE 1)	UN	126	107,610	13,559
SUPPORTING FACILITIES				4,838
UTILITIES	UN	1	675,000	( 2,675)
RECREATIONAL FACILITIES	LS			( 489)
LANDSCAPING	LS			( 271)
PAVEMENTS	LS			( 595)
ASBESTOS/LEAD-BASED PAINT COMPLIANCE	UN	126	5,222	( 658)
DEMOLITION/DISPOSAL	UN	16	9,375	( 150)
SUBTOTAL				18,397
CONTINGENCY (5%)				920
TOTAL CONTRACT COST				19,317
SUPERVISION, INSPECTION AND OVERHEAD (3%)				580
TOTAL REQUEST				19,897
MOST EXPENSIVE UNIT	\$141,700			
AREA COST FACTOR	1.64			
10. Description of Proposed Construction: Improve 126 housing units. Work includes general interior and exterior modernization and renovation; utility upgrades and additions to living areas to meet current standards; improved floor plans; increased energy efficiency; and, environmental compliance. Neighborhood work includes utility upgrades, recreational facilities, pavements and landscaping.				
<p><u>11. REQUIREMENT:</u> 3,195 UN <u>ADEQUATE:</u> 583 UN <u>SUBSTANDARD:</u> 2,489 UN</p> <p><u>PROJECT:</u> Improve 126 family housing units (Phase 1). (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide modern and efficient housing for military members and their dependents stationed at this installation. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade housing units. 180 units are new and do not require upgrading. 2489 units remain to be accomplished. All units will meet whole house standards and are programmed in accordance with phase one of the Housing Community Plan. Renovated housing will provide modern kitchens, baths, and interior configurations. Whole neighborhood improvements will be provided. 16 additional units will be demolished. The units are in poor condition and cannot be economically ungraded to current whole house standards. The units are 1602 Puakauhi Court, 1641 Puapilo Court, and 1642/1643 Piloakea Court. All the units are 4-plex's. It will also reduce the density and is in line with the Hickam Housing Community Plan.</p> <p><u>CURRENT SITUATION:</u> Units were constructed in 1964/65 and have not been renovated. The units are minimally adequate in size, require upgrade of electrical and plumbing systems, are subjected to temperatures in excess of 90 degrees during summer months, and require upgrade of kitchens and</p>				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE 1)	5. PROJECT NUMBER	KNMD964401
<p>baths. Carports are old gang-type and must be replaced; bulk storage space is minimal; smoke detectors are lacking and some units require family rooms. Neighborhoods contain no playgrounds, sparse landscaping, and deteriorated sidewalks. Parking is congested. There is no sense of community or home.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Members will continue to be housed in unsatisfactory and undersized units with adverse effects on morale and retention and be subjected to temperatures in excess of 90 degrees during the summer months. Without this project, these units and carports will continue to deteriorate as maintenance costs increase. Units will remain out of compliance with Air Force standards of size, livability and life safety.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The initial cost percentage of improvement versus replacement cost is 66 percent. The housing requirements analysis based on the Oahu Island-wide housing market analysis contains a projected housing deficit of 123 units.</p> <p>.</p> <p>.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		4. PROJECT TITLE IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-142	7. PROJECT NUMBER VDYD974005	8. PROJECT COST (\$000) 4,450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING	UN	48	68,520	3,289
SUPPORTING FACILITIES				825
SITE WORK/IMPROVEMENTS	LS			( 777)
ASBESTOS & LEAD BASE PAINT REMOVAL	LS			( 48)
<b>SUBTOTAL</b>				4,114
CONTINGENCY (5%)				206
TOTAL CONTRACT COST				4,320
SUPERVISION, INSPECTION AND OVERHEAD (3%)				130
<b>TOTAL REQUEST</b>				4,450
<b>MOST EXPENSIVE UNIT</b>	\$85,663			
<b>AREA COST FACTOR</b>	1.14			
10. Description of Proposed Construction: Interior and exterior modernization and renovation of 48 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead-based paint removal.				
11. <u>PROJECT:</u> Improve family housing (Phase B). (Current Mission) <u>REQUIREMENT:</u> To provide a comfortable and appealing living environment comparable to the off-base civilian community for military members and their families at Scott AFB. This project is programmed to meet "whole house" standards IAW the Scott AFB Housing Community Plan. <u>CURRENT SITUATION:</u> These units were constructed in 1970 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, patio or backyard privacy. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable, affordable off-base housing is not available. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None				

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE IMPROVE FAMILY HOUSING	5. PROJECT NUMBER	VDYD974005

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 63% of the replacement cost.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE NEW JERSEY	4. PROJECT TITLE IMPROVE GENERAL OFFICERS QUARTERS		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-111	7. PROJECT NUMBER PTFL934017	8. PROJECT COST (\$000) 509
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
IMPROVE GENERAL OFFICERS QUARTERS	UN	4	117,500
SUBTOTAL			<u>470</u>
CONTINGENCY (5%)			<u>24</u>
TOTAL CONTRACT COST			<u>494</u>
SUPERVISION, INSPECTION AND OVERHEAD (3%)			<u>15</u>
TOTAL REQUEST			<u>509</u>
MOST EXPENSIVE UNIT	\$146,790		
AREA COST FACTOR	1.19		
10. Description of Proposed Construction: Improve four General Officer units. Reconfigure and upgrade kitchens; upgrade bathrooms, mechanical and electrical systems. Replace doors, roofs, siding, and add insulation. Expand master bedroom, repair porches and ceilings, paint interior, and replace carpet.			
11. <u>PROJECT</u> : Improve 4 General Officer units. <u>REQUIREMENT</u> : To provide adequate quarters for the McGuire Wing Commander, Numbered Air Force Commanders, and Air Mobility Warfare Center Commanders adequate quarters commensurate with their responsibilities and duties. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan. <u>CURRENT SITUATION</u> : The existing units are over thirty years old and the scope of repairs required are beyond the capability of the scheduled yearly maintenance limits. Major renovation is required to correct deterioration resulting from age and heavy use. The units have received only routine maintenance and repairs and do not meet the needs of today's family nor provide a modern home environment. The climatic controls are energy inefficient and have exceeded their economic life span. The electrical system does not meet current safety codes and the panel boxes exceed capacity. The radiant hot water heating system leaks and has caused extensive damage to the ceilings and floors. The bathrooms are small and have outdated fixtures. There is insufficient closet and storage space. <u>IMPACT IF NOT PROVIDED</u> : Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. Energy consumption will increase due to age and deterioration of inadequate and inefficient building systems causing utility costs to			

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  MCGUIRE AIR FORCE BASE NEW JERSEY		
4. PROJECT TITLE  IMPROVE GENERAL OFFICERS QUARTERS	5. PROJECT NUMBER	PTFL934017
<p>increase. Quality of life for the general officers and their families will not be commensurate with position and rank.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY93: Repair kitchen, landscape, \$21K. FY94: Replace patios, windows, \$51K. FY95: Replace doors, garage doors, siding; repair bathroom, \$56K.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> FY97: Replace garage doors, landscape, \$27K. FY98: Replace driveway, repair garage, \$24K. FY99: Replace exterior lighting, repair kitchen, \$22K.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this unit is 47% of the replacement cost. Project will bring unit 4502 up to allowable net square footage of 2310.</p>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
MCGUIRE AIR FORCE BASE, NEW JERSEY	IMPROVE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-143	PTFL964001	9,643	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING	UN	100	74,700	7,470
SUPPORTING FACILITIES				1,446
STORM DRAINAGE	LS			( 150)
SANITARY SERVICE	LS			( 425)
WATER DISTRIBUTION	LS			( 250)
ASBESTOS & LEAD BASE PAINT REMOVAL	LS			( 300)
COMMUNITY IMPROVEMENTS	LS			( 321)
SUBTOTAL				8,916
CONTINGENCY (5%)				446
TOTAL CONTRACT COST				9,362
SUPERVISION, INSPECTION AND OVERHEAD (3%)				281
TOTAL REQUEST				9,643
MOST EXPENSIVE UNIT	\$99,225			
AREA COST FACTOR	1.19			
10. Description of Proposed Construction: Interior and exterior modernization and renovation of 100 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. <u>Includes demolition and asbestos/lead-based paint removal.</u>				
11. <u>PROJECT:</u> Improve family housing (Phase B). (Current Mission) <u>REQUIREMENT:</u> To provide a comfortable and appealing living environment comparable to the off-base civilian community for military members and their families at McGuire AFB. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan. <u>CURRENT SITUATION:</u> These units were constructed in 1961 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, no patio or backyard privacy. The units lack air conditioning; covered vehicle parking; cable and telephone wiring is exposed. <u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an off-base deficit of 246 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	PTFL964001	
<p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 66% of the replacement cost. Utility rebate coordination will be done by Jersey Central Power and Light to ensure units are energy efficient and to enable the base to qualify for a utility rebate. Project will also provide handicapped accessible units.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE IMPROVE MILITARY FAMILY HOUSING (HISTORICAL UNITS)		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-144	7. PROJECT NUMBER TMKH904000	8. PROJECT COST (\$000) 1,221	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE MILITARY FAMILY HOUSING (HISTORICAL UNITS)	UN	10	93,600	936
SUPPORTING FACILITIES				193
SITE PREPARATION	LS			( 10)
UTILITIES	LS			( 40)
LANDSCAPE AND NEIGHBORHOOD IMPROVEMENT	LS			( 22)
GARAGES AND STORAGE	LS			( 36)
ASBESTOS AND LEAD-BASED PAINT REMOVAL	LS			( 85)
<b>SUBTOTAL</b>				1,129
CONTINGENCY (5%)				56
<b>TOTAL CONTRACT COST</b>				1,185
SUPERVISION, INSPECTION AND OVERHEAD (3%)				36
<b>TOTAL REQUEST</b>				1,221
MOST EXPENSIVE UNIT	\$136,000			
AREA COST FACTOR	0.86			

10. Description of Proposed Construction: Improve 10 historical housing units. Upgrade utility systems, alter HVAC ducts, remodel kitchens and bathrooms, insulate throughout, repair exterior finishes, replace roofs, construct patios with privacy fences, replace doors, install storm windows, repair garages, and replace interior finishes and hardware.

Includes Asbestos and Lead-based paint removal. Remove underground tanks.

11. REQUIREMENT: 1,967 UN ADEQUATE: 970 UN SUBSTANDARD: 459 UN

PROJECT: Improve Military Family Housing (Historical Units). (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Pope AFB. To the extent permitted by regulations governing houses listed on the National Register of Historic Places. The housing must be upgraded to meet current life safety codes and provide an environment comparable to the off-base civilian community. Historical preservation requirements preclude the facilities from meeting all "whole house" standards, but, to the extent practical, they will provide updated, modern housing conveniences. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs. Remove underground oil tanks, and convert to natural gas.

CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1933. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE MILITARY FAMILY HOUSING (HISTORICAL UNITS)		TMKH904000
<p>major upgrades, other than kitchen remodeling, since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Interior finishes need replacement and upgrade. The heating and air conditioning systems are inefficient and require replacement, to include ducting. There is no wall or ceiling insulation. The windows, doors and framing are 63 years old and are a major cause of energy loss. Exterior finishes are deteriorated and require replacement. Electrical wiring and plumbing must be upgraded to meet modern construction codes. Asbestos and lead-based paint are evident throughout the houses. The community surrounding Pope AFB does not have sufficient, adequate housing assets to support existing requirements and programmed realignment actions. The latest Housing Market Analysis shows a deficit of 418 units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and inconvenience to occupants. Costly repairs will continue, with little or no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. However, the historical nature of the housing dictates that the units be improved rather than replaced. The cost to improve this housing is 81% of the replacement cost. The high cost is attributable to historical preservation/renovation requirements.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4. PROJECT TITLE IMPROVE FAMILY HOUSING PHASE 9			
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-121	7. PROJECT NUMBER ZHTV8200169	8. PROJECT COST (\$000) 6,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING PHASE 9	LS			5,138
WHERRY FAMILY HOUSING	UN	82	50,270	(4,122)
ADD TO & ALTER SENIOR OFFICER HOUSING	UN	7	145,168	(1,016)
SUPPORTING FACILITIES				410
OFF STREET PARKING	LS			( 100)
AREA LIGHTING	LS			( 200)
RECREATION	LS			( 70)
GARAGES	LS			( 40)
SUBTOTAL				5,548
CONTINGENCY (5%)				277
TOTAL CONTRACT COST				5,825
SUPERVISION, INSPECTION AND OVERHEAD (3%)				175
TOTAL REQUEST				6,000
MOST EXPENSIVE UNIT	\$175,000			
AREA COST FACTOR	0.89			

10. Description of Proposed Construction: Improve 82 Wherry units and 7 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, reconfiguration of functional layout. Improve exterior, install rear entry steel doors, provide patios, privacy fences, storage sheds, and correct drainage. Add parking areas throughout. Construct addition to SOQs to add authorized square footage.

11. REQUIREMENT: 5,300 UN ADEQUATE: 3,911 UN SUBSTANDARD: 700 UN  
 PROJECT: Improve 89 family housing units. (Current Mission)  
REQUIREMENT: Adequate living quarters are required for families of military members assigned to this base. Improvements needed to Wherry housing units include installation of rear entry steel doors, patios with screens for privacy, and area improvements to facilitate family recreation, safety and quality of life. Provide additional off street parking to alleviate congestion. Additional living space along with minor reconfiguration and upgrades of utilities in the existing structures are necessary to bring these units up to livability standards of similiar quarters both on and off base. Upgrades of electrical, plumbing and HVAC systems are needed to comply with building codes and to improve safety and reliability. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the ninth of multiple phases to provide adequate housing for base personnel. Of the 1,540 units to be improved in this multi-phase initiative, 808 are completed or included in prior programs, and 643 will follow.

CURRENT SITUATION: The Wherry units were constructed in the 1950's and have had no major improvements since original construction. Each building houses between four and 12 families and offers precious little privacy. Because of exposure to weather conditions and heavy usage, the rear entry

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PHASE 9	ZHTV8200169	
<p>wooden doors have deteriorated. Because of high density of this development, the occupants have no outdoor privacy. The SOQs were constructed in 1935 and are located in a proposed historic district. They have had only routine repairs and minor improvements. The wiring and plumbing consist of the original systems in both Wherry and SOQ units mixed with some newer material added over the years. The SOQs are well below the authorized 1700 NSF. The proposed additions will provide a master bedroom with bath. Two types of Wherry housing units require additions of approximately 344 square feet to reach the authorized space and internal renovation and reconfiguration to meet current housing standards.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this improvement initiative is not supported. Some Air Force members and their families will continue to be housed in unsuitable conditions, while neighbors and friends are in drastically improved units. These units will continue to deteriorate past the point of repair, resulting in loss of valuable economic assets to the Air Force. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is unavailable. The current Housing Market Analysis shows a family housing deficit of 689 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives for replacement construction, improvement, and status quo operation. Based on the net present value and benefits of the respective alternatives, improvement found to be the most cost effective over the life of the project. The cost to improve this housing is 65 percent of the replacement cost.</p>		

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
3. INSTALLATION AND LOCATION F E WARREN AIR FORCE BASE, WYOMING	4. PROJECT TITLE IMPROVE FAMILY HOUSING PHASE 1		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-144	7. PROJECT NUMBER GHLN927185	8. PROJECT COST (\$000) 5,624
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
IMPROVE FAMILY HOUSING (PHASE 1)	UN	52	74,540 3,876
SUPPORTING FACILITIES			1,324
ASBESTOS/LEAD BASED PAINT REMOVAL	LS		( 510)
UNDERGROUND ELECTRICAL/STREET LIGHTING	LS		( 274)
OFF STREET TRAIL SYSTEM	LS		( 66)
LANDSCAPING/IRRIGATION	LS		( 220)
NEIGHBORHOOD ENTRANCE/ROAD CHANGES	LS		( 254)
SUBTOTAL			5,200
CONTINGENCY (5%)			260
TOTAL CONTRACT COST			5,460
SUPERVISION, INSPECTION AND OVERHEAD (3%)			164
TOTAL REQUEST			5,624
MOST EXPENSIVE UNIT	\$106,545		
AREA COST FACTOR	1.02		
10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of 52 housing units. Includes upgrading heating and plumbing systems, remodels kitchens & replaces windows. Includes demolition and asbestos/lead-based paint removal. Neighborhood improvements include tree planting, play area fencing, off street pedestrian trail system, & neighborhood entrances/road changes.			
11. REQUIREMENT: 2,069 UN ADEQUATE: 1,178 UN SUBSTANDARD: 462 UN <u>PROJECT:</u> Improve Family Housing (Phase 1). (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient housing for military members and their dependents stationed at F E Warren AFB. The historic housing must be upgraded to meet current life safety codes and provide a comfortable and appealing living environment comparable to the off-base civilian community. This phase of historic housing was not included in the HCP as it was to be accomplished prior to the HCP being developed. Funds were not available to award the project, so these historic units have been included in a revised HCP phasing plan. This is the first of multiple phases to upgrade 252 houses. No units have been upgraded or approved for upgrade previously. All units will meet "whole house" standards and are programmed in accordance with phase 1 of the revised Housing Community Plan. <u>CURRENT SITUATION:</u> This project upgrades and modernizes housing constructed between 1885 and 1932. These 100 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. No major upgrades have been made to these units for 30 years. The units do not meet the needs of today's families, nor do they provide a modern home environment. The existing heating system is the original coal fired, cast iron steam boiler, which was converted to gas.			

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

F E WARREN AIR FORCE BASE, WYOMING

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE FAMILY HOUSING PHASE 1	GHLN927185

The distribution system is the original one pipe steam line with cast iron radiators. Electrical & plumbing systems do not meet codes. Ground Fault Circuit Interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Kitchens are old and need remodeling. The original lath and plaster walls and ceilings are badly cracked and can no longer be repaired by patching and painting. All flashings, gutters, and downspouts require replacement. This project will bring the units to current standards, and no other improvements are required at this time.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increased operating, maintenance and repair costs to the Government and inconvenience to the residents. Construction of new officer/enlisted housing will be required if these buildings are allowed to deteriorate. Low morale and retention problems can be expected if existing conditions are allowed to continue, since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an on-base housing deficit of 429 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An abbreviated economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, plus the fact these brick units are on the National Register of Historic Places and cannot be demolished, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 97% of the replacement cost.

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WOOMERA AS, AUSTRALIA		4. PROJECT TITLE IMPROVE FAMILY HOUSING PH V		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-143	7. PROJECT NUMBER ZGTT964001	8. PROJECT COST (\$000) 212	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING PH V	UN	3	62,670	188
SUPPORTING FACILITIES				8
SITE IMPROVEMENTS	LS			( 8)
SUBTOTAL				196
CONTINGENCY (5%)				10
TOTAL CONTRACT COST				206
SUPERVISION, INSPECTION AND OVERHEAD (3%)				6
TOTAL REQUEST				212
MOST EXPENSIVE UNIT	\$83,347			
AREA COST FACTOR	1.62			
10. Description of Proposed Construction: Replace heating, ventilating, and air conditioning, exterior siding, doors and windows for 3 housing units. Install wiring, repaint interior, landscape yards and install sprinkler system. Renovate downstairs bathroom.				
11. REQUIREMENT: 27 SF ADEQUATE: 24 SF SUBSTANDARD: 3 SF				
<u>PROJECT:</u> Improve Family Housing. (Current Mission)				
<u>REQUIREMENT:</u> Adequate housing for military personnel and their families as required by Air Force Quality of Life Standards consistent with the quality of today's housing construction. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the surrounding community. No other housing is available in this remote desert environment. This project is phase 5 of 5 projects to upgrade 27 houses. All units will meet "whole house" standards. Twenty-four units have been upgraded or are approved in previous phases, and the three remaining are to be accomplished in this phase.				
<u>CURRENT SITUATION:</u> The NASA units were constructed in 1960 to then current Australian standards. The original siding has weathered 30 years in this harsh desert environment. Thermal protection is not provided by existing siding. Original window frames are difficult to operate. The reverse cycle HVAC systems were designed for use in the climate of Adelaide, South Australia (a coastal city), not the extreme temperatures found in Woomera (located in the outback). During the summer months, the temperature reaches 112 F and during the winter, below 45 F. These units do not provide sufficient heating and cooling. The galvanized gutter system is corroded. Storm water drainage piping is broken and clogged from the debris flowing through the rotted gutter system. Village				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WOOMERA AS, AUSTRALIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PH V	ZGTT964001	

directives call for reducing sodded areas to 150 Sq Meters per housing unit. All homes exceed this limit.

IMPACT IF NOT PROVIDED: The housing does not satisfy current Air Force Standards. Families are forced to live in facilities that are substandard and not consistent with the quality of today's housing construction. The poor condition of our units stands out like a sore thumb. Woomera is a joint defense community with the Australian Department of Defense. Our homes are integrated into the overall housing area and do not comply with the Woomera Village housing concept. Morale problems will arise if the community perceives that U. S. military families are living in delapidated units. Further, substandard housing does not portray the desired image of the United States Air Force.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 40% of the replacement cost.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

ADVANCE PLANNING AND DESIGN

Program (In Thousands)  
FY 1996 Program \$8,989  
FY 1995 Program \$9,275

Purpose and Scope

This program provides for preliminary studies to develop additional family housing facilities, one time multi-phase design, and housing community plan (HCP) developments; studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs;
- (2) FY 96 Appropriation of \$8,989,000 to fund this effort as outlined in the following exhibit:

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		4. PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 8.87.42	6. CATEGORY CODE 711-000	7. PROJECT NUMBER XXXX96000PAD	8. PROJECT COST (\$000) 8,989	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING ADVANCE PLANNINMG AND DESIGN	LS			<u>8,989</u>
SUBTOTAL				<u>8,989</u>
TOTAL CONTRACT COST				<u>8,989</u>
TOTAL REQUEST				<u>8,989</u>
AREA COST FACTOR	0.00			
10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.				
<p><u>11. PROJECT:</u></p> <p><u>REQUIREMENT:</u> The funds requested are necessary to procure architect-engineer services to make site and utility investigations; one time multi-phase design, and housing community plan (HCP) developments; for the preparation of design and specifications of advance plans for future year housing programs in connection with any family housing new or post acquisition construction programs.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The funds requested are neccessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.</p>				

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE  
(Excluding Leasing and Debt)

Program (In Thousands)  
FY 1996 Program \$733,519  
FY 1995 Program \$712,062

Purpose and Scope

a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:

(1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporation-Trust Company to provide the required corporate presence in Delaware. United States Air Force Housing, Inc., continues as the entity holding title to Capehart and Wherry real property. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

(2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal, street cleaning.

(3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; maintains and repairs such items.

(4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.

b. Utilities. Includes all utilities serving family housing, purchased and base produced, except telephone.

c. Maintenance. Provides upkeep of family housing real property, as follows:

(1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs and replacement.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

(2) Exterior Utilities. Maintenance and repair of water, sewer, electric, heat and gas lines located within family housing areas.

(3) Other Real Property. Upkeep of grounds, roads, parking areas, and other property for the exclusive use of family housing not discussed above.

(4) Alteration and Additions. Minor alterations to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Considering the effects of actual base closures and proposed overseas force structure draw downs, the Air Force family housing budget requests minimum essential resources to provide military families with housing either in the private market, through assistance from a housing referral office, or in government housing. Increased emphasis has been placed on the proper funding of the family housing operations and maintenance program. The Air Force's FY 1996 Operations and Maintenance program includes the following areas of emphasis:

\* Maintain the livability of the existing housing inventory worldwide.

\* Utility consumption per unit is being reduced due to a program of energy goals which places increased management emphasis on conservation and due to whole house improvement efforts.

\* Funding for government appliances and furniture consistent with cost/benefit studies, the delivery of new housing units which need government supplied appliances and the redistribution of appliances from closure bases.

\* Reduction of furnishings inventories in accordance with base closure schedules. Redistribution of excess furnishings from closure bases to the other bases remaining open.

\* Includes \$4.0 million for contract cleaning at overseas locations only. The budgeted amount will allow cleaning of approximately 17,000 units at an average per unit cost of \$256.00.

\* Continuing the special effort to lower operations and maintenance costs in high cost quarters.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996/97 BUDGET REQUEST

This budget request is for funds needed to meet must pay operations and utilities expenses, as well as the maintenance and repair of our existing housing inventory at over 110 major installations. We also provide referral services to members seeking housing in the private sector. The Air Force shares the concerns of the Congress to improve support to military families and to properly maintain the housing inventory. This budget supports a long-range program responding to Congressional desires while considering the current environment of budget restraint.

Operations and Maintenance Program Summary - Highlights

Authorization/Appropriation is requested in FY 1996 for \$733,519,000. This amount, together with estimated reimbursements of \$13,151,000, will fund the FY 1996 Operations and Maintenance program of \$746,670,000.

A summary of the funding program for FY 1996 is as follows (\$ in thousands):

Operations Request	Util Request	Maint Request	Ttl Request	Direct Request	Reimburse- ment	Total Program
\$127,009	\$197,539	\$ 408,971	\$ 733,519	\$ 13,151		\$746,670

AIR FORCE FAMILY HOUSING FY 1996 BUDGET ESTIMATE (Excludes Leases)		EXHIBIT FH-2 Worldwide MAJCOM: all		
Inventory Data	FY 95	FY96		
Units In Beginning of Year	122,202		116,576	
Units at End of Year	116,576		111,081	
Average Inventory for Year	119,389		113,829	
<b>Funding Requirements(\$000)</b>		Total Cost	Unit Cost	Total Cost
<b>Operations (Direct)</b>				Unit Cost
Management	48,424	406	47,080	414
Services	33,781	283	33,177	291
Furnishings	43,840	367	43,000	378
Miscellaneous	5,794	49	5,678	50
<b>SubTotal Gross Oblig.</b>	131,839	1,104	128,935	1,133
Anticipated Reimbursements	2,408	20	1,926	17
<b>Direct Obligation Operations</b>	129,431	1,084	127,009	1,116
<b>Utilities - (TOA)</b>	206,990	1,734	206,942	1,818
Anticipated Reimbursements	9,147	77	9,403	83
<b>Direct Obligation Utilities</b>	197,843	1,657	197,539	1,735
<b>Maintenance</b>				
M&R Dwellings	280,011	2,345	302,151	2,654
M&R Ext. Utilities	48,406	405	50,242	441
M&R Other Real Property	27,743	232	28,683	252
Alter & Add.	28,628	240	29,717	261
<b>SubTotal Gross Obligations</b>	386,564	3,238	410,793	3,609
Anticipated Reimbursements	1,776	15	1,822	16
<b>Direct Obligation Maintenance</b>	384,788	3,223	408,971	3,593
<b>Grand Total, O&amp;M - TOA</b>	725,393	6,076	746,670	6,560
<b>Grand Total, O&amp;M - NOA</b>		0	733,519	6,444

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

Operations (\$ in Thousands)

FY 1996 Request  
\$127,009

The FY 1996 program represents Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency formulation rates. Adjustments have been made for actual base closures and proposed overseas force structure draw downs. Each program sub-account is described in detail in the following analysis:

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Management. The Management account includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporate-Trust Company to provide the required corporate presence in Delaware. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

1.	FY 1995 Appropriation Conference Position:	\$45,076
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$45,076
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 940
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$46,016
10.	Price Growth	\$ 1,334
11.	Functional Program Transfer:	None
12.	Program Increases:	None
13.	Program Decrease: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-2,196
14.	FY 1996 Budget Request:	\$45,154

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Analysis of Change in Management

With fewer houses to support, the Management requirement is reduced. As a result of Round II/III Base Closure, Castle AFB, KI Sawyer AFB, Griffiss AFB, and Plattsburgh AFB were closed in FY95. March AFB will be closed in FY96 as a result of Round III Base Closure.

The Management account is not per unit specific since there is a basic level of support and manning for the housing office regardless of the number of units. The request includes increases for inflation. The increases are offset by a decrease in housing management offices as a result of base closure and drawdown actions.

There is no programmatic growth above inflation.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; street cleaning.

Military Family Housing Activities are effected by many new environmental standards. The environmental legislative changes from states and foreign country's have evolved quicker than planned leading to a highly uncertain ability to predict program growth. New initiatives to control lead based paint, asbestos, leak detection on underground heating fuel storage tanks, spill/overflow protection and corrosion control are also covered within this account. Increases to land fill costs are programmed however we anticipate these to continue to increase in the future.

1.	FY 1995 Appropriation Conference Position:	\$32,724
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$32,724
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	None \$1,057
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$33,781
10.	Price Growth:	\$980
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-1,584
14.	FY 1996 Budget Request:	\$33,177

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (SERVICES  
CONTINUED)

Exhibit OP-5

Analysis of Changes in Services

With fewer houses to support, the Services requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

While the exact number of military families and timing of the overseas draw down is still occurring, continued support of bases will remain open as necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families.

Also, certain furniture items will continue to be needed. Loaner sets of furniture are issued to military families overseas to let them occupy permanent quarters prior to the arrival of personally owned furniture and to let personnel stay in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Quarters allowances which makes loaner furniture very cost effective. Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

Leases in Europe require closets and cabinets to be issued along with the appliances since rental units overseas do not have the same accommodations as are available in the states.

The furnishings account funds essential furnishings at levels consistent with cost/benefit studies and the need of the Air Force. Much of the funding requested in the furnishings account results from an analysis of the most economical use of funds for the government and avoids costs in other accounts such as military allowance and other support appropriations.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

1.	FY 1995 Appropriation Conference Position:	\$42,852
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$42,852
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 988
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$43,840
10.	Price Growth:	\$ 1,271
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-2,111
14.	FY 1996 Budget Request:	\$43,000

Analysis of Changes in Furnishing

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments (i.e. United Kingdom, Australia) to operate Permit Housing units occupied by Air Force personnel, and similar costs.

1.	FY 1995 Appropriation Conference Position	\$ 5,794
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$ 5,794
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$ 5,794
10.	Price Growth:	\$ 168
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560)	\$ -284
14.	FY 1996 Budget Request:	\$ 5,678

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (MISCELLANEOUS  
CONTINUED)

Analysis of Changes in Miscellaneous

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Utilities. This project provides for all utilities consumed in government-owned family housing. Included is electricity, heating, water, and sewage and waste systems. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation must be rooted in other than financial incentives. The single most effective incentive is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation and insulation of crawl and attic spaces have had good results toward the attainment of Air Force energy conservation goals.

1.	FY 1995 Appropriation Conference Position:	\$178,472
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$178,472
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$10,340
7.	Program Increases: Recalculation of requirement based on historical data to substantiate that FY 1995 was under budgeted. The FY 1993 actuals and FY 1994 estimated actuals confirmed the additional requirement for FY 1995.	\$ 9,031
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$197,843
10.	Price Growth: a. Inflation	\$ 5,737
	b. Foreign Currency Rate Adjustment to New Budgeted Rates	\$ 5,300
11.	Functional Program Transfers:	None

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (UTILITIES  
CONTINUED)

Exhibit OP-5

12.	Program Increases:	None
13.	Program Decreases:	
a.	Energy Conservation Savings	\$ -1,694
b.	Base Closure, Drawdowns, Demolitions (-5,560 units)	\$ -9,647
14.	FY 1996 Budget Request:	\$197,539

Analysis of Changes in Utilities

With fewer houses to support, the Utility requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710) units will be removed from inventory in FY96/97 as a result of Round III Base Closure.

The burdensharing adjustments with Japan stabilize in FY95 and the downward trend does not appear in FY96 and out.

The requirement for FY 1996 is based on historical obligation trends which continue to be influenced by mild weather and energy conservation savings resulting from whole house improvements and energy conservation projects. The budgeted amount in the FY95 PB was below the historical projections based on an analysis of actual FY93 and actual estimates for FY94.

We anticipate realigning \$9.0M into the Utilities Sub-Account during FY95 to fully fund the requirements based on historical trends from FY89/94. Therefore, after utility costs are corrected in FY95, percentage change from FY96 to FY97 is below inflation. The consumption usage stream shown in the following table is consistent with the Air Force goals of reducing energy consumption and costs.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (UTILITIES  
CONTINUED)

Exhibit OP-5

UTILITIES (000K)

ENERGY CONSUMPTION	<u>FY 94</u>	<u>FY95</u>	<u>FY96</u>
Electricity	1,797	1,765	1,751
Fuel Oil (Bbls)	396	393	390
Natural Gas (KCF)	6,469	6,393	6,330
Coal (MBTUs)	392	360	356
Purchased Steam (MBTUs)	580	580	578

The Budget request for utilities in FY 1996 includes the costs of electricity, coal, gas, fuel oil, water and sewage treatment. Overall, utility rates are stabilizing. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation which is offset by continued emphasis on conservation of utilities.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Maintenance. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs. Provides upkeep of family housing real property.

1.	FY 1995 President's Budget:	\$383,644
2.	Congressional Adjustments: Oahu	\$ 23,500
3.	FY 1995 Appropriated Amount	\$407,144
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$-13,325
a.	Management (940)	
b.	Services (1,057)	
c.	Furnishings (988)	
d.	Utilities (10,340)	
7.	Program Increases:	None
8.	Program Decreases: Recalculation to support increased Utility requirement based on historical data from FY 1993/1996	\$-9,031
9.	FY95 Current Estimate:	\$384,788
10.	Price Growth: a. Inflation	\$ 11,159
	b. Foreign Currency Rates Adjusted for the Budgeted FCF Rates	\$ 5,300
11.	Functional Program Transfers:	None
12.	Program Increases: a. Additional Maintenance Dollars added to arrest DMAR growth	\$33,564
	b. Quality of Life Increase	\$ 3,500

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE  
CONTINUED)

Exhibit OP-5

13.	Program Decreases:	
a.	Fewer Units to support as a result of Base Closures, Drawdowns, Demolitions (-5,560 units)	\$-19,194
b.	Proper Inflation Adjustment	\$- 6,146
c.	Nonpay Purchase Inflation Adjustment	\$- 4,000
14.	FY 1996 Budget Request	\$408,971

Analysis of Changes in Maintenance Program

The above funding profile includes one change to the FY95 appropriated level. We anticipate realigning \$9.0M during FY95 to the Utility Sub-Account to fully fund the requirements based on historical trends from FY89/94.

With fewer houses to support, the Maintenance requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

Previously limited maintenance funding and a high occupant turnover has accelerated deterioration of the Air Force's aging housing inventory.

Constrained funding has resulted in a greater reliance on temporary fixes which has in the long run only exacerbated the deterioration of our housing units. In addition, the infrastructure which supports the units is now beyond its projected economic life at most of our installations. Several systems have failed and many are on the verge of failure.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE  
CONTINUED)

Exhibit OP-5

This budget reflects the Air Force corporate decision to increase emphasis on maintenance and repair of our dwellings to ensure availability of quarters which meet existing standards. The method we use to measure our effectiveness against these standards is to track the impact of the funded program against the Deferred Maintenance and Repair (DMAR). This year, the Air Force has made a concerted effort to scrub DMAR requirements. When funding is lower than maintenance requirements, asset deterioration accelerates and the amount of affected housing units and infrastructure grows. This growth is above inflation and also increases the scope of future programmed work. More emergency repairs occur which are disruptive, costly, and man-hour intensive. The backlog also generates other jobs (i.e., delayed roof projects require additional work to fix leaks, patch and paint ceilings, etc.). The Total Maintenance requirements reflected on the DMAR chart (on the following page), reflects only those projects which are required to meet and sustain approved standards.

This request reflects the decision to fund maintenance at a level which partially arrests DMAR growth. As reflected in the DMAR chart, this level of funding will reduce the DMAR growth beginning in FY96.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

The following chart illustrates the Backlog of Deferred Maintenance (In then Year \$M).

Fiscal Year	<u>FY 93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>
Backlog Proj		1,032	800	913
Backlog Actual	1,311	755	865	TBD
Closure Offset	- 223	0	0	0
O&M Requirement*	441	431	433	424
Total Requirement	1,529	1,186	1,298	1,337
O&M Funding	497	386	385	409
O&M Backlog EOY	1,032	800	913	928
Backlog Red/ (Growth)	279	(45)	(48)	(15)
Inventory	128,083	122,077	119,389	113,829

\* Adjusted to revised inflation and inventory numbers.

A one time adjustment occurred at the end of FY93. The FY93 Year-End Backlog of \$1,032M was reduced to \$755M at the start of FY94 due to three reasons: (1) A reduction of \$121M in BRAC III projects removed from the list, (2) \$42M due to bid savings (a more favorable bid environment), and (3) \$95M for projects that were dropped from the list due to a revalidation of requirements. The BRAC units will be closed between FY95 and the end of FY96.

There is an impact on M&R requirements and the DMAR when the level of investment funding is lower than the requirement. We generally have projected the investment impact but have chosen not to use these numbers in the future since the tracking of the unfunded investment program and the related interface with maintenance costs vary so greatly over time that accurate projections become subjective. While we cannot precisely track the value, there are obvious impacts to the O&M program. An investment requirement not funded results in a maintenance requirement that is exceedingly more costly than a newly renovated facility.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

If "whole house" renovations are delayed for too long, emergency projects to fix specific systems (i.e. roofs) must be accomplished in the interim, driving up life-cycle costs.

This new method of displaying DMAR has been successful in projecting costs since it requires an annual project validation. This method will bring more discipline and accuracy to our DMAR numbers.

Quality family housing has a great impact on the lives of our members and the readiness of our forces. It is for this reason that we believe the maintenance dollars the Air Force has programmed in this budget will have a payback far greater than that which can be measured in terms of average unit costs.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET ESTIMATE

HISTORICAL HOUSING COST  
(\$ IN THOUSANDS)

	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>
A. Number of Units	1,511	1,511	1,511
B. Improvements	\$ 5,814	\$ 5,030	\$ 3,414
C. Maint & Repair	\$ <u>2,824</u>	\$ <u>2,401</u>	\$ <u>2,468</u>
GRAND TOTAL	\$ 8,638	\$ 7,431	\$5,882

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed \$15,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not affected by the number of projects requested over threshold.

The \$15,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

UNITED STATES

<u>Location</u>	<u>No. Units</u>	<u>Year Built</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$K)</u>	<u>Improvements/ Non-Routine M&amp;R \$K FY89-93)</u>
<u>ALABAMA</u>							
<u>Maxwell</u>	45	1934	30.0	3,623	91,100	1,350	397

Narrative: Existing roof tiles are in need of repair. Many tiles are broken and some are missing. Roof penetrations are leaking and must be replaced with new flashing. Portions of decking have rotted and should be replaced.

CALIFORNIA

<u>Travis</u>	68	1957	41.1	1,253	85,204	2,797	None
---------------	----	------	------	-------	--------	-------	------

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation, and other related and incidental work necessary for a complete and usable facility.

30	1957	79.0	1,253	7,500	1,854	None
----	------	------	-------	-------	-------	------

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

Also replaces electrical wiring and associated components, and light fixtures. Removes and reinstalls smoke detectors, telephone outlets and devices. Replaces doors, kitchen cabinets, countertops, sinks, garbage disposals, bathroom fixtures, fittings, and floor tiles. Replacement of gypsum board walls, ceilings, finishes, and other related and incidental work necessary for a complete and usable facility.

Location	No. <u>Units</u>	Year <u>Built</u>	Per		Proj (NSF)	Total Cost (\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
			Unit <u>Built</u>	Unit <u>Cost</u>			
Vandenberg	172	1959	18.9	1,064	183,008	3,254	None

Narrative: This project is phase 3 of a multiphased project that replaces overhead galvanized water pipes that are corroded and leaking, ruining sheet rock walls/ceilings and light fixtures. The water pipes are full of mineral deposits severely restricting flow resulting in minimal water pressure for showering and washing. The electrical system is a two-prong ungrounded system that is unsafe especially in bathrooms and kitchens. It is incompatible with modern three-prong appliances rendering them unsafe if used on a two-prong system. In addition, the existing 50 Amp services need to be upgraded to handle the increased load of numerous appliances not available in the 1960's. This project will provide grounding and increased electrical capacity where necessary and replace the deteriorated water piping. This project will supply the minimum requirement of reliable water and safe electricity to the homes.

MASSACHUSETTS

Hanscom	1	1957	30.0	1,628	1,628	30.0	None
---------	---	------	------	-------	-------	------	------

Narrative: Repair the roof and install new fiberglass sheathing.

NEBRASKA

Offutt	19	1960(2) 1961(1) 1963(10) 1967(5) 1975(1)	23.7	1,190	22,876	450.0	263.0
--------	----	--	------	-------	--------	-------	-------

Narrative: Repairs foundations, concrete block basement walls and garage floor slabs, sidewalks, drainage tiles; remove asbestos and lead paint; miscellaneous repairs required to ensure the units remain habitable.

OKLAHOMA

Vance	1	1960	20.0	2,162	2,162	20.0	17.0
-------	---	------	------	-------	-------	------	------

Narrative: Existing driveway has deteriorated beyond repair. Surface scaling, cracks, and spalling present a hazardous condition.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

<u>Location</u>	<u>No. Units</u>	<u>Year Built</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$K)</u>	<u>Improvements/ Non-Routine M&amp;R \$K FY89-93)</u>
-----------------	------------------	-------------------	----------------------	-------------------	-------------------	-------------------------	---

SOUTH CAROLINA

<u>Charleston</u>	84	1957	21.5	1,287	108,108	1,651.0	39.0
-------------------	----	------	------	-------	---------	---------	------

Narrative: Work includes replacing deteriorated single pane windows with energy saving double pane windows. Replacement of deteriorated high maintenance wood siding with vinyl siding. Replacement of exterior doors and locks with energy efficient exterior doors. These units were constructed in 1957 and do not meet modern standards of energy efficiency and maintainability. The single pane windows require constant labor intensive maintenance and greatly increased energy consumption. Exterior doors are drafty and are not insulated.

TEXAS

<u>Lackland</u>	8	1958	31.2	1,354	10,834	250	0
-----------------	---	------	------	-------	--------	-----	---

Narrative: Shifting foundation has caused extensive cracking in the housing unit. Repairs to foundation, doors, windows, floors, and baseboards must be accomplished.

<u>Randolph</u>	1	1950	45.0	2,134	2,134	45.0	0
-----------------	---	------	------	-------	-------	------	---

Narrative: Basement walls are cracked and window has rotted enabling water to enter when it rains. Sealing walls and replacing windows is required.

56	1950	35.7	2,134	119,497	2,000	66.5
----	------	------	-------	---------	-------	------

Narrative: Repair columns, wall studs, floor joists, water damaged insulation, and leaking windows. Replace exterior wall finishes.

<u>Sheppard</u>	46	1952	32.0	1,100	50,600	1,472	101.6
-----------------	----	------	------	-------	--------	-------	-------

Narrative: Renovate kitchen/baths; replace roofs, floor coverings, interior and exterior doors, window blinds, water heater vents, switches, HVAC units, and diffusers. Install ground fault interrupters, doorbells, and rain gutters; paint interiors.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

<u>Location</u>	<u>No. Units</u>	<u>Year Built</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$K)</u>	<u>Improvements/ Non-Routine M&amp;R \$K FY89-93)</u>
-----------------	------------------	-------------------	----------------------	-------------------	-------------------	-------------------------	---

OVERSEAS

GUAM

<u>Andersen</u>	100	1960	34	1,150	115,000	3,400.0	None
-----------------	-----	------	----	-------	---------	---------	------

Narrative: Phase 7 of a multiphased project that will replace severely deteriorated elastomeric foam roofs with built-up roofs.

JAPAN

<u>Kadena</u>	22	1952	20.0	1,401	30,822	400.0	None
	25	1953	20.0	1,427	35,676	500.0	None
	4	1954	20.0	1,056	4,224	80.0	None
	24	1953	20.0	1,342	32,208	480.0	None

Narrative: Phase 1 of a multiphased project to replace interior electrical wiring, switches, outlets, light fixtures, and fuse boxes. The wiring system has reached the end of its useful life and has neither ground wires included with the house wiring nor ground fault interrupters. Project will modernize house wiring system to meet current standards.

KOREA

<u>Osan</u>	8	1975	40.0	1,800	14,400	320.0	271.0
-------------	---	------	------	-------	--------	-------	-------

Narrative: Repair bathrooms, utilities/HVAC systems and related interior work. Repair exterior walls, concrete patios, fences and landscaping.

SPAIN

<u>Moron</u>	36	1954	36.8	1,190	42,840	1,325.4	None
--------------	----	------	------	-------	--------	---------	------

Narrative: Repair kitchens, bathrooms, laundry areas, windows, doors, roofs, patio, plumbing, and interior electrical utilities. Install covered trash receptacle holding area and enclose laundry area. Replace floor covering, and paint interiors and exteriors of each unit.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

<u>Location</u>	<u>No. Units</u>	<u>Year Built</u>	<u>Per Unit Cost</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$K)</u>	<u>Improvements / Non-Routine M&amp;R \$K FY89-93)</u>
-----------------	------------------	-------------------	----------------------	-------------------	-------------------	-------------------------	--

GERMANY

<u>Ramstein</u>	22	1954	53.0	1,400	30,800	1,167.0	None
-----------------	----	------	------	-------	--------	---------	------

Narrative: Replace closets and doors; kitchen fixtures, sinks, and cabinets; bathroom fixtures, sinks and tubs; water, heat, radiator, and sewage lines; entrance, exit, fire, and basement doors. Replaces 2-wire electrical system with 3-wire grounded system. Replace electrical fixtures, outlets, switches, fuse boxes, doorbells, and intercom systems. Replace antenna system with master antenna system. Install dishwashers and hardwire fire detection, replace all smoke detectors in stairwells. Repair and replace floor/wall tiles and plaster/paint throughout. Construct laundry area in the bathroom of 18 units.

108	1954	20.5	1,290	139,320	2,218.2	None
-----	------	------	-------	---------	---------	------

Narrative: This project will provide all work necessary to repair kitchens and bathrooms in 108 MFH units. Replace kitchen cabinets, counter tops, floor tiles, baseboards, bathroom tiles, floor coverings, water supply lines, sanitary fixtures, electrical system; provide masonry and painting of walls, ceilings, doors, frames, and closets.

<u>Spangdahlem</u>	24	1956	86.8	1,225	29,400	2,083.1	None
--------------------	----	------	------	-------	--------	---------	------

Narrative: Project will repair kitchens, bedrooms, bathrooms, living room balconies, hallways, and stairwells. Replaces electrical distribution, mechanical, ventilation, heating, water, and sewage systems. Replaces 110 volt system, TV antenna system, letter boxes, blinds, grating for basement windows and doors, sanitation systems, stairwell steps and railings, and doors. Provides repairs for landscaping and sidewalks.

The following projects were approved out-of-cycle in FY94:

Travis AFB CA The initial scope of the project was to repair three bathrooms. The scope of the work expanded to replace inadequate electric wiring, insulate the attic, carpet three bedrooms, texture and paint interior walls and renovate the garage for a total cost of \$19,577.

Langley AFB VA Maintenance and repair cost was originally \$12.8K for the highest unit. During paint removal, lead-based paint was encountered. The cost for removal and disposal of lead-based paint was \$5.7K per unit. As a result, the combined cost of \$18.5K exceeds the \$15K Maintenance and Repair threshold.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

FAMILY HOUSING REPAIRS  
(Exceeding \$15K Threshold)

FY94 Out-of-Cycle Continued

Langley AFB VA Waiver was required because this project cost \$27K. The scope of work included repairing termite damage to the joists, studs, and sills. Due to unsafe condition of the units and to prevent any further damages, the maintenance and repair waiver to exceed the \$15K threshold was required.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

GENERAL OFFICER QUARTERS  
(Exceeding \$25K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Service to report any expenditures from the maintenance account which will exceed \$25,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes maintenance and repair actions we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not effected by the number of projects requested over threshold.

The \$25,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

<u>Location</u>	<u>Qtrs</u>	<u>Size</u>	<u>Year</u>	<u>Oper</u>	<u>Util</u>	<u>Maint</u>	<u>Ttl</u>	<u>High</u>	<u>Improvements</u>
	<u>ID</u>	<u>NSF</u>	<u>Built</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>O&amp;M</u>	<u>Cost</u>	<u>Non-Routine</u> <u>(\$K FY90-94)</u>
<u>ALABAMA</u>									
<u>MAXWELL</u>	336	3,484	1934	1.0	3.0	46.0	50.0	46.0	12.2
	334	3,426	1934	1.0	3.0	46.0	50.0	46.0	26.6

Narrative: Existing roofs require repair. Tiles are broken, roof penetrations are leaking, and portions of decking have rotted.

COLORADO

<u>AF ACADEMY</u>	6776	4,533	1930	.2	1.570.0	71.7	70.0	None
-------------------	------	-------	------	----	---------	------	------	------

Narrative: The project replaces 4000 SF of brick paver patio system at the superintendent's quarters. This quarters, also known as the Carlton house, is listed on the national register of historic places. The brick paver system requires replacement because the concrete slab underneath has cracked and heaved allowing the subbase to deteriorate, producing an uneven surface. In addition to being unsightly, the pavers now present a serious tripping hazard.

DEPARTMENT OF THE AIR FORCE  
 MILITARY FAMILY HOUSING  
 FY 1996 BUDGET REQUEST

GENERAL OFFICER QUARTERS  
 (Exceeding \$25K Threshold)

MARYLAND

<u>ANDREWS</u>	1508	2,704	1946	7.2	3.4	88.0	98.6	88.0	None
----------------	------	-------	------	-----	-----	------	------	------	------

Narrative: Work includes applying an exterior insulation and finish system to CMU exterior of family housing residence. Replacement of windows with aluminum windows and existing roof with standing seam metal roof. Existing exterior construction consists of masonry walls which do not provide adequate insulation. Occupant experiences uncomfortable living conditions. In addition, the plain CMU exterior finish does not present a very aesthetic appearance for this General Officer's quarters. Windows are not thermal paned which allows for drafty conditions. Existing roof is leaking requiring continuous maintenance. This single GOQ is surrounded by VOQ cottages which are presently under contract for roof replacements and this project would allow architectural compatibility for this GOQ.

<u>Location</u>	<u>Qtrs</u>	<u>ID</u>	<u>Size</u>	<u>Year</u>	<u>Oper</u>	<u>Util</u>	<u>Maint</u>	<u>Ttl</u>	<u>High</u>	<u>Improvements</u>
			<u>NSF</u>	<u>Built</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>O&amp;M</u>	<u>Cost</u>	<u>Non-Routine</u> <u>(\$K FY90-94)</u>

TEXAS

<u>KELLY</u>	108	4,763	1927	1.5	1.8	82.3	85.6	82.3
--------------	-----	-------	------	-----	-----	------	------	------

Narrative: Remove lead based paint and paint exterior surface. The unit is eligible for registration on the National Historic Register. The surfaces are extremely weather-beaten, peeling, cracking, and flaking to the point that the lead-based paint is exposed and contaminating the soil around the unit.

OVERSEAS

JAPAN

<u>YOKOTA</u>	691	2,554	1975	4.0	10.0	84.0	98.0	84.0	70.0
---------------	-----	-------	------	-----	------	------	------	------	------

Narrative: Replaces functionally obsolete windows and sliding glass doors in the living, dining, and bedrooms. The project also increases the soundproofing of the unit which is located near the flightline. This will be accomplished with better sound rated windows and doors which will also increase the energy efficiency.

693	2,022	1975	4.0	10.2	68.2	82.4	68.2	75.0
-----	-------	------	-----	------	------	------	------	------

Narrative: Replaces functionally obsolete kitchen with a modern kitchen layout.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

GENERAL OFFICER QUARTERS  
(Exceeding \$25K Threshold)

KOREA

<u>OSAN</u>	437A	1,864	1975	5.0	3.0	42.0	50.0	42.0	33.0
	1065A	1,700	1975	5.0	3.0	42.0	50.0	42.0	33.0

Narrative: Repair bathrooms, utilities/HVAC systems, stairwells, sliding doors, and related interior work. Repairs exterior walls, concrete patio, fences, and landscaping.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilian and other personnel. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

1.	FY 1995 Appropriation Conference Position:	\$11,139
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$11,139
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases: Net Proceed from the sale of military family housing (including related land improvements)	\$2,192
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$13,331
10.	Price Growth:	\$ 387
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure Drawdowns and Demolition (-5560 units)	\$ -567
14.	FY 1996 Budget Request:	\$13,151

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996/97 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Analysis of Changes in Reimbursements

Proceeds from the sale of Military Family Housing occurred in FY94. In order to make the disbursement of \$2.2M from the proceeds of the sale of the housing units, additional reimbursement authority is required in FY95.

With fewer houses to support, the reimbursement requirement is reduced. As a result of Round II Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffis AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES  
Exhibit OP-5

Leasing. Provides for payment of leasing costs of privately owned housing units for assignment as government quarters. The family housing leasing program provides housing at both domestic and foreign locations when the local economy cannot provide adequate support and the deficit of on-base housing also does not satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent and operations and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Air Force relies extensively on the leasing program to obtain housing to meet critical housing needs.

Authorization is requested for appropriation of \$115,665,000 to fund leases and related expenses in FY96. The FY 1996 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas base closures occur, foreign leases are terminated as soon as economically possible. The Air Force is using approximately one-half of the authorized foreign lease points. Air Force strategy during the drawdown in Europe is to maximize the use of government-controlled assets thereby providing more affordable housing for our personnel and avoiding expensive off-base housing entitlements. The Air Force has been able to retain some housing areas from closing bases for use at bases that are remaining. In fact, the percentage of personnel able to reside in government controlled quarters is increasing.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED)  
Exhibit OP-5

As the Air Force draws down in Europe, the order of the release of housing assets is placed, where possible, as (1) private rentals (which are usually the most expensive), (2) GRHP and build-to-lease units, and (3) government owned. The exact mix of types of housing will depend upon available assets in each locality. Renewals for leases will be on a year-to-year basis to reduce cost by limiting termination liability. Full authorization is required to allow for sufficient flexibility during restructuring to maximize cost effective solutions.

The lease at Comiso Italy is a special case where repeated efforts by the Air Force to achieve a cost effective solution for termination of the lease have not yet been successful. Therefore, another annual lease payment of \$7.3 million is required even though a buy-out of the lease for \$9.5 million would be the most cost effective long-term solution by saving the U.S. \$4.1 million over the life of the contract. The appropriations conference allowed us to buy-out the lease within existing resources however the authorizations conference was silent on this issue.

Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at sites where Air Force families are seriously affected by housing shortages and high costs.

In FY 1984, Congress authorized testing a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing projects were completed and occupied; Eielson AFB, AK, 300 units; Hanscom AFB, MA, 163 units; Goodfellow AFB, TX, 200 units; March AFB, CA, 200 units; Travis AFB, CA 300 units; Ellsworth AFB, SD, 200 units and 828 units; Hurlburt AFB, FL, 300 units; and Cannon AFB, NM, 350 units. The 307 units of the Eielson AFB project will be occupied by 1997. In addition, as part of a combined project with the Naval District of Washington, 828 units for Andrews AFB are scheduled for full occupancy by the 4th quarter of FY95.

DEPARTMENT OF  
THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED)  
Exhibit OP-5

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Onizuka's Domestic leasing project has provided interim relief for service families assigned to the San Francisco area pending transfer of Moffett NAS housing of the Air Force. This has been an excellent transition procedure to support families in a high cost area while preparing for long term solutions with the transfer of Moffett housing to the Air Force.

Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction.

1.	FY 1995 Appropriation Conference Position:	\$112,757
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$112,757
4.	Proposed Supplementals:	None
5.	Price Growth:	
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$112,757
10.	Price Growth:	\$ 3,270
11.	Functional Program Transfers:	None

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST  
RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED)  
Exhibit OP-5

12.	Program Increases: Mission adjustment from realignments primarily Singapore, partial occupancy of the Eielson and Andrews AFB Section 801 Leases	\$ 6,729
13.	Program Decreases: Number of Leases, Domestic and Foreign reduced by actual amounts due to changes in Lease agreements	-\$ 7,091
14.	FY 1996 Budget Request:	\$115,665

Analysis of Change in Leasing

The attached Leasing charts reflect changes to the program by locations and type of lease. These requirements are a direct result of changes to mission beddowns and other housing needs.

**FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE**  
**ANALYSIS OF LEASED UNITS**  
**(Other than Section 801)**

LOCATION (OAC)	FY 94			FY 95			FY 96		
	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)
<b>DOMESTIC LEASES</b>									
Los Angeles, CA (47)	60	660	\$746	55	660	\$686	55	660	\$686
Los Angeles, CA/AFRTS (47)	10	180	\$120	15	180	\$180	15	180	\$180
Harrison, Ar (78)	24	288	\$162	37	444	\$286	40	480	\$310
Holbrook, Az (78)	25	300	\$88	0	0	\$0	0	0	\$0
Moody AFB, GE (78)	73	876	\$468	70	840	\$553	64	768	\$510
Shaw AFB, SC (78)	86	1,032	\$840	80	980	\$874	50	600	\$547
Onizuka, Ca (83)	67	804	\$124	0	0	\$0	0	0	\$0
Unassigned	2,988	0	\$0	3,076	0	\$0	3,109	0	\$0
<b>TOTAL DOMESTIC LEASES</b>	<b>3,333</b>	<b>4,140</b>	<b>\$2,548</b>	<b>3,333</b>	<b>3,104</b>	<b>\$2,579</b>	<b>3,333</b>	<b>2,688</b>	<b>\$2,233</b>
<b>FOREIGN LEASES</b>									
Jordan (43)	2	24	\$38	2	24	\$40	2	24	\$43
Cairo, Egypt (51)	3	36	\$33	3	36	\$44	3	36	\$109
Nairobi, Kenya (51)	1	12	\$22	1	12	\$24	1	12	\$50
Asmara, Eritrea (51)	1	12	\$20	1	12	\$23	1	12	\$23
Bangkok (53)	7	84	\$142	7	84	\$150	7	84	\$156
Classified Location (53)	3	36	\$103	3	36	\$108	3	36	\$114
Lajes (78)	1	12	\$8	1	3	\$2	0	0	\$0
Oson (74)	276	3,312	\$3,328	276	3,312	\$3,573	276	3,312	\$3,615
Singapore (74)	0	0	\$0	0	0	\$0	120	1,440	\$3,857
Alconbury (80)	250	3,000	\$2,510	250	3,000	\$2,617	250	3,000	\$2,617
Ankara (80)	44	528	\$698	32	384	\$521	32	384	\$521
Aviano (80)	657	5,445	\$5,156	857	8,970	\$9,058	857	9,873	\$9,147
Bentwaters (80)	293	3,516	\$3,784	293	3,516	\$3,794	293	3,516	\$3,794
Comiso (80)	460	5,520	\$14,728	460	5,520	\$7,383	460	5,520	\$7,303
Geilenkirchen (80)	1	12	\$27	1	12	\$27	1	12	\$27
Incirluk (80)	110	230	\$891	110	1,320	\$2,332	110	1,320	\$2,332
Izmir (80)	10	114	\$349	10	120	\$309	10	120	\$309
Kalkar (80)	36	432	\$724	36	432	\$697	36	432	\$697
Lakenheath (80)	1,065	12,780	\$10,297	1,065	11,540	\$10,287	1,065	11,440	\$9,529
Stavenger (80)	1	12	\$82	1	12	\$90	1	12	\$90
Paris (80)	1	12	\$35	0	0	\$0	0	0	\$0
Ramstein (80)	522	6,281	\$6,193	521	5,232	\$6,125	521	5,082	\$5,357
Rhein Main (80)	376	4,311	\$3,706	225	2,700	\$3,540	226	2,490	\$2,814
Rome (80)	0	0	\$0	0	0	\$0	0	0	\$0
San Vito (80)	150	1,800	\$2,487	150	1,800	\$2,400	150	1,800	\$2,400
Soesterberg (80)	180	2,280	\$2,417	0	0	\$0	0	0	\$0
Spangdahlem (80)	500	6,000	\$6,164	500	6,000	\$6,240	500	6,000	\$6,240
Upper Heyford (80)	50	600	\$715	50	600	\$692	50	600	\$692
Ascension (83)	1	12	\$18	1	12	\$18	1	12	\$18
Copenhagen (83)	4	48	\$31	4	48	\$27	4	48	\$27
Seychelles (83)	2	24	\$40	2	24	\$40	2	24	\$40
Unassigned	4,212	0	\$0	4,357	0	\$0	4,236	0	\$0
Estimated Termination Costs	0	0	0	0	0	0	0	0	0
Soesterberg (80)	0	0	\$0	0	0	\$333	0	0	0
<b>TOTAL FOREIGN LEASES</b>	<b>9,201</b>	<b>56,269</b>	<b>\$64,380</b>	<b>9,201</b>	<b>54,554</b>	<b>\$60,103</b>	<b>9,201</b>	<b>56,437</b>	<b>\$61,426</b>
<b>GRAND TOTAL FH-4</b>	<b>12,534</b>	<b>60,409</b>	<b>\$66,928</b>	<b>12,534</b>	<b>57,658</b>	<b>\$62,682</b>	<b>12,534</b>	<b>59,125</b>	<b>\$63,659</b>

DD Form 2458-2, JUN 86

Exhibit FH-4

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE  
 ANALYSIS OF HIGH COST LEASED UNITS  
 (Other than Section 801)  
 FY 1996 and FY 1997

LOCATION	FY96 TOTAL LEASES Per Country	FY94			FY95			FY96			FY97		
		HIGH COST UNITS	HIGH COST Defined	EST COST									
DOMESTIC LEASES													
Los Angeles, Ca	15	12,000		206,000	15	12,000	207,080	15	12,000	208,100	15	12,000	209,000
Orizuka, Ca	67	to 14,000		142,000	0	to 14,000	0	0	0	0	0	0	0
None Over \$14K per Year	0												
Sub-Total Domestic	224	82		348,000	15		207,060	15		208,100	15		209,000
FOREIGN LEASES													
*Geilenkirchen, Germany	1,283	1	25,590	27,000	1	23,953	27,000	1	23,953	27,000	1	23,953	27,000
*Izmir, Turkey	164	1	2,968	35,900	1	1,071	31,785	1	1,071	31,785	1	1,071	31,785
*Izmir, Turkey	164	1	2,968	64,773	1	1,071	57,350	1	1,071	57,350	1	1,071	57,350
*Izmir, Turkey	164	1	2,968	63,600	1	1,071	56,310	1	1,071	56,310	1	1,071	56,310
*Izmir, Turkey	164	1	2,968	39,650	1	1,071	35,110	1	1,071	35,110	1	1,071	35,110
*Izmir, Turkey	164	1	2,968	38,300	1	1,071	33,910	1	1,071	33,910	1	1,071	33,910
*Izmir, Turkey	164	1	2,968	22,700	1	1,071	20,100	1	1,071	20,100	1	1,071	20,100
*Izmir, Turkey	164	1	2,968	22,900	1	1,071	20,272	1	1,071	20,272	1	1,071	20,272
*Izmir, Turkey	164	1	2,968	22,400	1	1,071	19,830	1	1,071	19,830	1	1,071	19,830
*Izmir, Turkey	164	1	2,968	38,777	1	1,071	34,333	1	1,071	34,333	1	1,071	34,333
**Oslo, Norway	0	0	11,994	41,000	0			0			0		
**Stavanger, Norway	1	1	11,994	41,000	1	20,080	90,000	1	20,080	90,000	1	20,080	90,000
Sembawang, Singapore													
***Paris, France	1	N/A	35,000	N/A	N/A	0	N/A	120	3,857,000	0	120	4,059,000	0
***Copenhagen, Denmark	4	N/A	31,000	N/A	N/A	27,000	N/A	0	N/A	0	N/A	N/A	0
***Aman, Jordan	2	N/A	38,000	N/A	N/A	40,000	N/A	43,000	N/A	27,000	N/A	N/A	27,000
***Asmara, Eritrea	1	N/A	35,000	N/A	N/A	23,000	N/A	23,000	N/A	46,000	N/A	N/A	46,000
***Cairo, Egypt	3	N/A	102,000	N/A	N/A	109,000	N/A	109,000	N/A	23,000	N/A	N/A	23,000
***Nairobi, Kenya	2	N/A	22,000	N/A	N/A	50,000	N/A	50,000	N/A	109,000	N/A	N/A	109,000
*** Bangkok, Thailand	7	N/A	142,000	N/A	N/A	150,000	N/A	156,000	N/A	50,000	N/A	N/A	50,000
Classified Location	3	N/A	103,000	N/A	N/A	108,000	N/A	114,000	N/A	162,000	N/A	N/A	162,000
Sub-Total Foreign		11	966,000	11		933,000	131		4,805,000	131			5,022,000
GRAND TOTAL FH-4A		93	N/A	1,314,000	26	N/A	1,140,060	146	N/A	5,013,100	146	N/A	5,231,000

The HIGH COST domestic leases range between \$12k and \$14k per year. No domestic lease exceeds \$14K per year.

Exhibit FH-4A

- The adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 96 exchange rate. Leases exceeding this cap are defined as HIGH COST and are counted against the number of high cost leases allowed.
- \*\* Oslo lease moved to Stavanger in mid FY94
- \*\*\* State Department pool leases do not count against the total number of high cost leases allowed.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE  
 SECTION 801 FAMILY HOUSING SUMMARY  
 (Dollars In Thousands)

LOCATION	NO. OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FULL OCCUPY	FY 1996		FY95 COSTS	FY96 UNITS	FY96 COSTS
					FY94 COSTS	FY95 UNITS			
Hanscom AFB, MA	163	FY84	SEP 85	OCT 87	\$2,812	163	\$3,183	183	\$2,834
Goodfellow AFB, TX	200	FY86	SEP 86	JAN 88	\$1,881	200	\$2,131	200	\$2,155
Andrews AFB MD	828	FY90	SEP 91	SEPT 95	\$409	828	\$7,952	828	\$10,417
Hurlburt AFB FL	300	FY90	JUN 90	JUL 92	\$3,224	300	\$3,399	300	\$3,275
March AFB, CA	200	FY86	NOV 87	NOV 88	\$1,723	200	\$1,656	200	\$1,056
Travis AFB, CA	300	FY88	SEP 89	AUG 91	\$4,028	300	\$4,058	300	\$4,058
Eielson AFB, AK	300	FY84	JAN 85	JUL 86	\$4,830	300	\$5,065	300	\$4,901
Eielson AFB, AK	366	FY91	SEP 91	AUG 97	\$71	158	\$4,262	280	\$6,241
Ellsworth AFB (2), SD	828	FY88	AUG 89	JUN 91	\$10,350	828	\$10,413	828	\$10,413
Ellsworth AFB, SD	200	FY88	JUN 89	JUL 90	\$2,284	200	\$2,590	200	\$2,590
Cannon AFB, NM	350	FY88	JUN 91	AUG 93	\$3,733	350	\$4,066	350	\$4,066
SIOH Estimate/Maintenance							\$1,300		
ANNUAL REQUIREMENT	4,035	N/A	N/A		\$35,345	3,827	\$50,075	3,949	\$52,006
Unused Lease Points	1,765				\$0	1,973	\$0	1,851	\$0
<b>GRAND TOTAL FH-5</b>	<b>5,800</b>	<b>N/A</b>	<b>N/A</b>		<b>\$35,345</b>	<b>5,800</b>	<b>\$50,075</b>	<b>5,800</b>	<b>\$52,006</b>

Exhibit FH-5

ANDREWS SCHEDULE ----- 229 UNITS have been delivered by the end of Jan 95; projected delivery includes 65 UNITS, Feb 95; 104 UNITS, May 95; 88 UNITS, JUN 95; 84 UNITS, July 95; 56 UNITS, AUG 95; and 202 UNITS, Sept 95; which delivers the last of the 828 UNITS.

EIELSON SCHEDULE ----- 30 UNITS, JUNE 95; 37 UNITS, AUG 95 and 91 UNITS, SEPT 95 for 158 UNITS in FY 95; 24 UNITS, OCT 95; 35 UNITS, NOVEMBER 95; 36 UNITS, MARCH 96; 27 UNITS, AUG 95 for 280 UNITS in operation in FY 96; 35 UNITS, JAN 97; 35 UNITS, MARCH 97; and 16 units in AUG 97 for ALL 366 UNITS operating by end of FY 97.

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

DEBT PAYMENT

Program (in Thousands)  
FY 1996 Program \$29

Purpose and Scope

The Debt Payment program continues in FY 1996/97 in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989.

This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980.

Program Summary

Authorization is requested for the appropriation of \$29,000 for FY96:

<u>(\$ In Thousands)</u>	<u>FY 1995 ESTIMATE</u>	<u>FY 1996 ESTIMATE</u>
Servicemen's Mortgage Insurance Premiums	26	29
TOTAL OBLIGATING AUTHORITY (TOA)	26	29
Principal Payment		
Capehart	0	0
Wherry	0	0
Subtotal	0	0
TOTAL REQUIREMENTS (BUDGET AUTHORITY PLUS APPROPRIATION):	26	29

DEPARTMENT OF THE AIR FORCE  
MILITARY FAMILY HOUSING  
FY 1996 BUDGET REQUEST

Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance especially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to decrease. The program for FY 1995 and FY 1996 is as follows:

<u>Fiscal Year</u>	<u>Number</u>	<u>Average Payment/YR</u>	<u>Amount (\$000)</u>
1995	143	182	26
1996	160	182	29